

AD-A110 046 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NORTON AFB, CALIFORNIA REVISED UNIFORM SUMMARY OF SURFACE WEATH--ETC(U)  
SEP 81  
UNCLASSIFIED USAFETAC/DS-81/089 SBI-AD-F850 11A

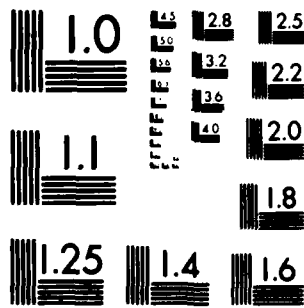
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NORTON AFB, CALIFORNIA REVISED UNIFORM SUMMARY OF SURFACE WEATH--ETC(U)  
SEP 81  
USAFETAC/DS-81/089 SBI-AD-FASO 110

**SBI-AD-E850 11P**

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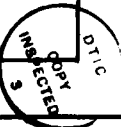
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**DATA PROCESSING BRANCH  
USAFETAC  
Air Weather Service (MAC)**

**REVISED UNIFORM SUMMARY OF  
SURFACE WEATHER OBSERVATIONS**

**STATION AND CL** **TIME #23122**  
N 34. 16 W 107 14. MSL ELEV 1156 FT **SEA** **WIND #**

**PAGES 1-8**  
**FOR FROM DAILY OBS: MAR 69 - DEC 70, JAN 73 - FEB 81**

**FOR FROM DAILY OBS: JAN 43 - FEB 81**

**TIME CONVERSION GMT TO LST: -8**

**SEP 24 1981**

**28 SEP**

**FEDERAL BUILDING**

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ADE 850 118

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM															
1. REPORT NUMBER USAFETAC/DS- 81/089	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER															
4. TITLE (and Subtitle) Revised Uniform Summary of Surface Weather Observations (RUSSWO)- Norton AFB, California		5. TYPE OF REPORT & PERIOD COVERED Final rept.															
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17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)																	
18. SUPPLEMENTARY NOTES																	
19. KEY WORDS (Continue on reverse side if necessary and identify by block number) <table border="0"> <tr> <td>*RUSSWO</td> <td>Daily temperature</td> <td>Atmospheric pressure</td> </tr> <tr> <td>Snowfall</td> <td>Extreme snow depth</td> <td>Extreme surface winds</td> </tr> <tr> <td>Climatology</td> <td>Sea-level pressure</td> <td>Psychrometric summary</td> </tr> <tr> <td>Surface Winds</td> <td>Extreme temperature</td> <td>Ceiling versus visibility</td> </tr> <tr> <td>Relative humidity</td> <td>*Climatological data</td> <td>(over)</td> </tr> </table>			*RUSSWO	Daily temperature	Atmospheric pressure	Snowfall	Extreme snow depth	Extreme surface winds	Climatology	Sea-level pressure	Psychrometric summary	Surface Winds	Extreme temperature	Ceiling versus visibility	Relative humidity	*Climatological data	(over)
*RUSSWO	Daily temperature	Atmospheric pressure															
Snowfall	Extreme snow depth	Extreme surface winds															
Climatology	Sea-level pressure	Psychrometric summary															
Surface Winds	Extreme temperature	Ceiling versus visibility															
Relative humidity	*Climatological data	(over)															
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) This report is a six-part statistical summary of surface weather observations for Norton AFB, California It contains the following parts: (A) Weather Conditions; Atmospheric Phenomena; (B) Precipitation, Snowfall and Snow Depth (daily amounts and extreme values); (C) Surface winds; (D) Ceiling Versus Visibility; Sky Cover; (E) Psychrometric Summaries (daily maximum and minimum temperatures, extreme maximum and minimum temperatures, psychrometric summary of wet-bulb temperature depression versus dry-bulb temperature, means and standard deviations of dry-bulb, wet-bulb (over)																	

DD FORM 1 JAN 73 1473

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19. Percentge frequency of distribution tables  
Dry-bulb temperature versus wet-bulb temperature  
Cumulative percentage frequency of distribution tables

\* California

\*

20. and dew-point temperatures and relative humidity); and (F) Pressure Summary (means, standard, deviations, and observation counts of station pressure and sea-level pressure). Data in this report are presented in tabular form, in most cases in percentage frequency of occurrence or cumulative percentage frequency of occurrence tables.

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## REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

### HOURLY OBSERVATIONS

Hourly observations are defined as those record or record-special observations recorded at scheduled hourly intervals.

### DAILY OBSERVATIONS

Daily observations are selected from all data recorded on reporting forms and combined into Summary of the day observations. (Selected from record-special, local, summary of the day, remarks, etc.)

### DESCRIPTION OF SUMMARIES

Each section is a brief description of the data comprising each part of the revised Uniform Summary of Surface Weather Observations in the manner of presentation. Summaries are prepared from hourly and daily observations recorded by stations operated by the U. S. Service and some foreign stations using similar reporting practices.

Unless otherwise noted the following summaries are included for this station:

#### PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

#### PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

#### PART C SURFACE WINDS

#### PART D CEILING VERSUS VISIBILITY

SKYCOVER

#### PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC-DRY VS WET BULB

MEAN & STD DEV  
(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

#### PART F STATION PRESSURE

SEA LEVEL PRESSURE

### STANDARD 3-HOUR GROUPS

All summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: 00-0200, 0300-0500, 0600-0800, 0900-1100, 1200-1400, 1500-1700, 1800-2000, 2100-2300 hours local standard time.

### MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-hour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourly observations.

JANUARY \_\_\_\_\_

APRIL \_\_\_\_\_

JULY \_\_\_\_\_

OCTOBER \_\_\_\_\_

FEBRUARY \_\_\_\_\_

MAY \_\_\_\_\_

AUGUST \_\_\_\_\_

NOVEMBER \_\_\_\_\_

MARCH \_\_\_\_\_

JUNE \_\_\_\_\_

SEPTEMBER \_\_\_\_\_

DECEMBER \_\_\_\_\_

STATION NO. ON SUMMARY	STATION NAME	LATITUDE	LONGITUDE	FIELD ELEV. (FT.)	CALL SIGN	WHO NUMBER
23122	NORTON AFB, CALIF	N 34 06	W 117 14	1156	SD	

## STATION LOCATION AND INSTRUMENTATION HISTORY

NUMBER OF LOCATION	GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS LOCATION		LATITUDE	LONGITUDE	ELEVATION ABOVE MSL		OBS PER DAY
			FROM	TO			FIELD (FT)	HT. BARO.	
1	San Bernardino Army Airfield, Calif	AAF	Jan 43	Feb 43	N 34 06	W 117 15	1095	1098	18
2	Same	Same	Mar 43	May 48	Same	Same	Same	Same	24
3	San Bernardino AFB, Calif	AFB	Jun 48	Feb 50	Same	Same	Same	Same	24
4	Norton AFB, Calif	Same	Mar 50	Nov 63	Same	Same	1156	Same	24
5	Same	Same	Dec 63	Feb 65	Same	Same	1156	1113	24
6	Same	Same	Mar 65	Jan 76	Same	W 117 14	Same	Same	24
7	Same	Same	Feb 76	Jun 81	Same	Same	1156	1110	24

NUMBER OF LOCATION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT ABOVE GROUND	
1	Jan 43to May 48	Located on S end of Operations Bldg at E end of field.	Selsyn	ML-144	40 Ft	
2	Jun 48to Feb 54	Located on top of Operations Hangar.	Same	Same	105 Ft	
3	Mar 54to Mar 55	Located on roof of Operations Bldg.	Same	Same	150 Ft	
4	Apr 55to May 58	Located on top of Control Tower.	Same	Same	135 Ft	
5	Jun 58to Feb 64	Located S of Rnwy 05/23.	AN/GM-11	RO-2	13 Ft	
6	Mar 64to Feb 65	Located 1200 ft from W end of Rnwy 05/23, 500 ft from centerline.	Same	Same	Same	

USAFETAC FORM NOV 73 0-19 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

CONTINUED ON REVERSE SIDE

NUMBER OF ACTION	DATE OF CHANGE	SURFACE WIND EQUIPMENT INFORMATION				REMARKS, ADDITIONAL EQUIPMENT, OR REASON FOR CHANGE
		LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	HT. ABOVE GROUND	
7	Mar 65 to Feb 69	Located 1300 ft from W end of Rnwy 05/23, 500 ft from centerline.	Same	Same	Same	
8	Mar 69 to May 77	Located 1200 ft from W end of Rnwy 05/23, 500 ft from centerline.	AN/GMQ-20	RO-362	Same	
9	Jun 77 to Sep 79	Located 1200 ft from W end of Rnwy 06/24, 500 ft from centerline.	Same	Same	Same	
10	Oct 79 to Apr 80	Dual instrumented: (1) Located 1200 ft from W end of Rnwy 06/24, 500 ft from centerline; (2) Located 1000 ft from E end of Rnwy 06/24, 500 ft from centerline.	AN/GMQ-30	RO-456	13 Ft	
			AN/GMQ-30	RO-456	12 Ft	
11	May 80 to Jun 81	Located 1200 ft from W end of Rnwy 06/24, 500 ft from centerline.	AN/GMQ-20	RO-362	13 Ft	

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

A

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

1. By month and annual, all hours and years combined.
2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

# WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

1. INDICATE THE MONTH OF OCCURRENCE OF WEATHER  
CONDITION. (SEE WEATHER ELEVATIONS)

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	-		.7				8.7	13.3	11.5			17.7	57
	-		.7				9.7	13.2	12.7			15.2	637
	-		.7				7.8	13.3	15.5			10.6	637
	-	.1	.7				7.8	8.	14.4			14.6	637
	-	.4	.7				6.7	4.8	14.1			17.7	73
	-	.6	.7				9.7	4.8	16.5			11.1	77
	-		.7				9.8	5.3	13.1			16.8	637
	-	.1	.7				8.6	11.2	12.7			16.8	83
TOTALS		.1	.7				8.9	9.3	13.1			18.7	744



## WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	-	.4	1.1				11.1	13.4	10.0			11.1	47
	-	.5	1.1				8.1	13.1	10.0			11.2	46
	-	.1	1.1				7.4	14.0	10.0			13.5	47
	-	.3	.1				7.7	6.0	11.0			11.4	43
	-	.2	.			.	1.1	2.1	17.0			11.1	46
	-	.5	1.1			.	1.1	4.4	17.4			11.1	44
	-	.1	.				1.1	4.0	11.1			11.4	43
	-	.5	.1				8.0	7.7	19.9			11.1	43
TOTALS		.1	1.1			.	1.1	1.1	18.7			11.2	470





# WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

THIS REPORT IS TO BE SUBMITTED MONTHLY TO THE  
LOCAL WEATHER STATION FOR RECORDS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	-		0.0				0.0	1.0	40.0			0.0	0
	-		0.0				0.0	17.0	40.0			0.0	0
	-		0.0				0.0	10.0	40.0			0.0	0
	-		0.0				0.0	7.0	40.0			0.0	0
	-		0.0				0.0	0.0	40.0			0.0	0
	-	0.0	0.0				0.0	0.0	40.0			0.0	0
	-		0.0				0.0	0.0	40.0			0.0	0
	-		0.0				0.0	0.0	40.0			0.0	0
	-		0.0				0.0	0.0	40.0			0.0	0
	-		0.0				0.0	0.0	40.0			0.0	0
TOTALS		0.0	0.0				0.0	14.1	40.0			0.0	744

## WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

1. PERCENTAGE OF TIME WHEN WEATHER  
 WAS OBSERVED TO BE UNUSUAL

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	-		.				10.1	10.1	47.			4.7	
	-		.				10.1	10.1	11.7			50.6	
	-		.				10.1	7.	17.7			71.6	
	-	.	.				10.	11.	4.			51.	
	-	.	.				.	.	4.			1.	
	-	.	.				.		.			.	
	-		.				10.		10.			10.1	
	-		.				10.1	10.1	10.1			41.	
TOTALS		.	1.				10.	10.1	10.1			54.6	7



## WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

1. MONTHLY SUMMARY OF WEATHER  
OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	-		.				.	7.7	41.7			41.7	71
	-	0.1	1.0				1.0	1.0	11.0			53.4	83
	-		.				1.0	1.0	72.0			73.1	91
	-	0.1	.				.	1.0	10.0			60.8	65
	-	0.1	.				1.0	0.1	11.0			53.7	729
	-	0.0	1.0				1.0	0.1	11.0		0.1	50.5	737
	-	0.1	1.0				1.0	0.1	42.0			43.1	7
	-	0.1	0.1				0.1	2.0	73.0			53.4	737
TOTALS		.	1.0				1.0	7.4	72.0		.	5.3	7459

# WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

DATA FOR STUDY OF MONTHLY WEATHER  
CONDITIONS FROM JULY 1950 TO 1951

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	-		1.1				1.1	17.3	43.1			43.2	9.1
	-		1.1				1.1	23.2	43.7			51.3	1.1
	-		1.1				1.1	13.4	57.3			43.3	9.1
	-		1.1				1.1	7.4	78.1			51.4	9.1
	-		.				.	.6	73.4		.2	13.9	9.1
	-	.1	1.1				1.1	.	65.		.3	51.6	9.1
	-		.				.	1.3	43.7			43.1	1.1
	1-1	.1	.				1.2	1.3	43.2			43.1	9.1
TOTALS		.1	1.1				1.2	10.7	51.5		.1	53.3	70.1



# WEATHER CONDITIONS

STATION

STATION NAME

YEARS

OUT  
MONTH

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	-	..	1.		..		1.4	10.4	44.1			47.7	13
	-	..	1.				1.4	11.5	49.1			41.1	137
	-		.				1.4	10.4	46.2		.2	62.7	430
	-		.				1.7	7.6	46.4			47.5	72
	-	..	..				.4	1.7	43.1			42.4	27
	-	..	.				1.	.6	11.5		.1	62.7	18
	-	..	.7				1.1	1.1	47.1			47.7	37
	-	..	1.				1.1	1.7	44.1			47.4	129
TOTALS		..	1.		.		1.	11.	41.7		.	47.4	7639

# WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

CONTAIN THE WAY OF MEASUREMENT OF WEATHER  
CONDITIONS FROM VISUAL OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	-		•				3.3	12.7	24.1			28.7	11
	-		•				1.1	13.3	11.7			23.1	10
	-		•				1.4	12.3	21.			24.7	10
	-		•			•	1.1	9.3	21.7			24.7	10
	-		•				1.1	1.1	21.1			21.4	8
	-	•	•				1.	1.2	27.8			29.7	10
	-	•	•				1.	1.1	28.3			29.	10
	-		•				2.1	7.2	25.6			29.	11
TOTALS		• 1	•			•	2.1	7.1	23.7			28.4	71

# WEATHER CONDITIONS

STATION

STATION NAME

YEARS

MONTH

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	-	.	.				4.1	11.4	16.1			21.5	5
	-		.				4.1	11.7	16.1			19.6	42
	-		.				4.1	13.4	16.7			21.3	43
	-		.				4.1	16.4	16.1		.1	21.2	75
	-		.				4.1	16.1	16.1		.1	19.4	13
	-		.				4.1	16.1	16.1			27.9	126
	-		.				4.1	16.1	16.1			21.1	17
	-		.		.		4.1	16.7	16.1			21.1	17
TOTALS		.	.		.		4.1	16.4	16.9		.1	21.4	7432

# WEATHER CONDITIONS

STATION

STATION NAME

YEARS

ALL  
MONTH

1. IF ANY OF THE FOLLOWING WEATHER  
CONDITIONS OCCUR, CHECK ONLY ONE VALUE

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
	100	.1	.1				3.9	9.3	13.			1.7	744
		.3	.			.	.	3.6	15.7			2.2	675
		.4	.1		.		.1	1.2	11.2		.4	3.0	744
		.	.				1.1	1.1	22.4			3.2	744
		.	.				1.1	14.1	24.1			3.3	744
		.1	.1				1.1	15.4	25.			3.5	744
		.	.				.1	4.3	22.1			2.3	744
		.1	.				1.	7.4	22.4		.	1.3	7429
		.1	.1				1.1	13.7	21.1		.1	3.3	744
		.	1.		.		1.1	11.1	45.		.1	47.5	7452
		.1	.1			.	2.5	7.	23.7			25.4	744
		.	.1		.		4.1	1.1	11.7		.	21.4	7452
TOTALS		.1	.1		.	.	3.7	9.2	27.1		.	20.5	7452

## PART A

## ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "% OF OBS WITH PRECIP" and "% OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
- (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
- (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than  $5/8$  mile.

# WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

STATION

STATION NAME

40-

YEARS

ALL

MONTH

THIS FORM IS TO BE FILLED IN WITH DATA FOR ATMOSPHERIC PHENOMENA  
OCCURRING DURING THE MONTH

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
1	21.0	1.0	1.0	.1	1.1	.3	23.7	16.1	48.1	.1		17.8	111
2		.5	1.0		.1	.3	24.1	14.7	55.7			1.9	1017
3		.1	.7	.1	.4	.3	16.3	41.7	13.3			7.9	1085
4		.5	.1		.1	.1	15.1	1.3	72.1			74.8	1041
5		.1	.1			.1	11.1	5.4	11.7			33.9	1078
6		.1	.1				13.7	45.4	11.1			21.1	1051
7		.1	.1				10.1	5.1	56.1			33.1	1051
8		.1	.1				7.1	1.7	49.1			31.3	1058
9		.1	.1			.1	11.3	1.1	13.1			15.1	1051
10		.1	1.0		.1	.4	12.7	17.8	77.1			77.6	1081
11		1.0	1.0		.1	.1	17.3	7.1	12.1		.1	54.4	1051
12		.1	.1		.1	.1	16.7	13.1	42.1			47.2	1051
TOTALS		.1	.1	.1	.1	.2	17.3	24.1	7.7	.1	.1	73.1	1081

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART B PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and annual. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (\*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DAILY PRECIPITATION	".00"	equals none for the month (hundredths)
EXTREME DAILY SNOWFALL	".0"	equals none for the month (tenths)
EXTREME DAILY SNOW DEPTH	"0"	equals none for the month (whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each year-month and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (\*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

\* Values for means and standard deviations do not include measurements from incomplete months.

- NOTES: (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (\*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

Beginning thru 1945	at 0800LST
Jan 46-May 57	at 1230GMT
Jun 57-present	at 1200GMT

U. S. Navy and National Weather Service (USWB)

Beginning thru Jun 52	at 0030GMT
Jul 52-May 57	at 1230GMT
Jun 57-present	at 1200GMT



# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

PRECIP	AMOUNTS (INCHES)													PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	1179	1.00	1.00	.
FEB	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	1177	1.03	1.00	.
MAR	.	.	.	.	.	.	.	.	.	.	.	.	.	.9	1181	1.04	1.01	.
APR	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	1177	1.13	4.70	.
MAY	1.	.	.	.	.	.	.	.	.	.	.	.	.	.	1166	.44	1.00	.
JUN	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	116	.45	1.00	.
JUL	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	1174	.03	1.00	.
AUG	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	1170	.14	1.00	.
SEP	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	1140	.36	1.00	.
OCT	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	1175	.44	1.00	.
NOV	.	.	.	.	.	.	.	.	.	.	.	.	.	11.0	114	1.48	1.00	.
DEC	1.	.	.	.	.	.	.	.	1.	.1	.	.	.	11.0	1170	1.00	7.70	.
ANNUAL	.	.	.	.	.	.	.	.	.	.	.	.	.	1.0	13865	10.72		

USAFETAC FORM 0-15.5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

REMARKS: (This space is for use in recording remarks, observations, or other pertinent information.)

## REFERENCES

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

**YEARS**

1.  $\text{C}_2\text{H}_5\text{Br}$  is 1.00 g

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
YEAR													

USAF ETAC FORM 0-88-5 (OLA)

## REFERENCES

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

**YEARS**

[illegible][illegible]

WILLIAM L. BROWN

USAF ETAC FORM 0-88-5 (OLA)  
JUL 84

STATE OF CALIFORNIA

(FROM DAILY OBSERVATIONS)

# STATION

STATION NAME

**YEARS**

UNITED STATES OF AMERICA

[illegible]

USAF ETAC FORM 0-88-5 (OLA)

NOTES TO THE EDITOR

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

**YEARS**

7. THE PARTIAL DERIVATIVE OF THE LOG-LIKELIHOOD FUNCTION WITH RESPECT TO THE PARAMETER  $\theta$  IS

[illegible][illegible]

USAF ETAC FORM 0-88-5 (OLA)

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	.01	.02-.05	.06-.10	.11-.25	.26-.50	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	.	.	.	.	.	.	.	.	.	.	.	.	.	.0	1116	.4	7.0	.
FEB	.	.	.	.	.	.	.	.	.	.	.	.	.		1017	TRACE	TRACE	.
MAR	.	.	.	.	.	.	.	.	.	.	.	.	.	.1	1134	TRACE	.6	.
APR	.	.	.	.	.	.	.	.	.	.	.	.	.		1154	TRACE	TRACE	.
MAY	.	.	.	.	.	.	.	.	.	.	.	.	.		1077	.7	.1	.
JUN	.	.	.	.	.	.	.	.	.	.	.	.	.		1080	.0	.1	.
JUL	.	.	.	.	.	.	.	.	.	.	.	.	.		1165	.0	.1	.
AUG	.	.	.	.	.	.	.	.	.	.	.	.	.		1165	.0	.1	.
SEP	.	.	.	.	.	.	.	.	.	.	.	.	.		1057	.0	.1	.
OCT	.	.	.	.	.	.	.	.	.	.	.	.	.		1055	TRACE	TRACE	.
NOV	.	.	.	.	.	.	.	.	.	.	.	.	.		1150	TRACE	TRACE	.
DEC	.	.	.	.	.	.	.	.	.	.	.	.	.	.1	1165	.1	2.0	.
ANNUAL	.	.	.	.	.	.	.	.	.	.	.	.	.	.2	12831	.9		

SPRING FALL

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

**YEARS**

NO. 1. POINTS 1. INCHES

[illegible]

USAF ETAC FORM 0-88.5 (OLA)  
JUL 84

# EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

NO. MONTHS IN EACH YEAR

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	.	.	.	.	.	.	.	.	.	.	.	.	TRACE
2	.	.	.	.	.	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.	.	.	.	.	TRACE
4	.	.	.	.	.	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.	.	.	.	.	.
9	.	.	.	.	.	.	.	.	.	.	.	.	.
10	.	.	.	.	.	.	.	.	.	.	.	.	.
11	.	.	.	.	.	.	.	.	.	.	.	.	.
12	.	.	.	.	.	.	.	.	.	.	.	.	.
13	.	.	.	.	.	.	.	.	.	.	.	.	.
14	.	.	.	.	.	.	.	.	.	.	.	.	.
15	.	.	.	.	.	.	.	.	.	.	.	.	.
16	.	.	.	.	.	.	.	.	.	.	.	.	.
17	.	.	.	.	.	.	.	.	.	.	.	.	.
18	.	.	.	.	.	.	.	.	.	.	.	.	.
19	.	.	.	.	.	.	.	.	.	.	.	.	.
20	.	.	.	.	.	.	.	.	.	.	.	.	.
21	.	.	.	.	.	.	.	.	.	.	.	.	.
22	.	.	.	.	.	.	.	.	.	.	.	.	.
23	.	.	.	.	.	.	.	.	.	.	.	.	.
24	.	.	.	.	.	.	.	.	.	.	.	.	.
25	.	.	.	.	.	.	.	.	.	.	.	.	.
26	.	.	.	.	.	.	.	.	.	.	.	.	.
27	.	.	.	.	.	.	.	.	.	.	.	.	.
28	.	.	.	.	.	.	.	.	.	.	.	.	.
29	.	.	.	.	.	.	.	.	.	.	.	.	.
30	.	.	.	.	.	.	.	.	.	.	.	.	.
31	.	.	.	.	.	.	.	.	.	.	.	.	.
MEAN	.	1.400	.	TRACE	.	.	.	.	.	TRACE	TRACE	.	.42
S.D.	.	.1	.23	.	.403	.20	.300	.100	.070	.200	.100	.330	1.340
TOTAL OBS.	11	117	11	1	1173	11	1120	1100	1100	1100	1100	1100	1100

NOTE: (A dash in less than full months)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 64



# EXTREME VALUES

MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
	.	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.	7.5
	.	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.	5
	.	.	TRACE	.	.	.	.	.	.	.	.	.	TRACE
	.	.	.	.	.	.	.	.	.	.	.	.	TRACE
	.	.	.	.	.	.	.	.	.	.	.	.	TRACE
	.	.	.	TRACE	.	.	.	.	.	.	.	.	4.7
	.	.	.	.	.	.	.	.	.	.	TRACE	.	TRACE
	.	.	.	.	.	.	.	.	.	.	.	.	.
	.	TRACE	.	.	.	.	.	.	.	.	.	.	TRACE
	.	.	.	.	.	.	.	.	.	.	TRACE	.	TRACE
	.	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	2.5	.
	TRACE	TRACE	.	.	.	.	.	.	.	.	.	.	TRACE
	.	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	TRACE	TRACE
	.	.	.	.	.	.	.	.	TRACE	.	TRACE	.	TRACE
	.	.	.	.	.	.	.	.	.	TRACE	TRACE	.	TRACE
MEAN													
S. D.													
TOTAL OBS.													

USAF ETAC FORM 0-88-5 (OLA)  
JUL 64

# **EXTREME VALUES**

MONTHLY SNOWFALL

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTHLY SNOWFALL IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
1	.	.	TRAC	.	.	.	.	.	.	.	.	.	TRAC
2	.	.	.	.	.	.	.	.	.	.	.	.	.
3	.	.	.	.	.	.	.	.	.	.	.	.	TRAC
4	.	.	.	.	.	.	.	.	.	.	.	.	.
5	.	.	.	.	.	.	.	.	.	.	.	.	.
6	.	.	.	.	.	.	.	.	.	.	.	.	.
7	.	.	.	.	.	.	.	.	.	.	.	.	.
8	.	.	.	.	.	.	.	.	.	.	.	.	.
9	.	.	.	.	.	.	.	.	.	.	.	.	.
10	.	.	.	.	.	.	.	.	.	.	.	.	.
11	.	.	.	.	.	.	.	.	.	.	.	.	.
12	.	.	.	.	.	.	.	.	.	.	.	.	.
13	.	.	.	.	.	.	.	.	.	.	.	.	.
14	.	.	.	.	.	.	.	.	.	.	.	.	.
15	.	.	.	.	.	.	.	.	.	.	.	.	.
16	.	.	.	.	.	.	.	.	.	.	.	.	.
17	.	.	.	.	.	.	.	.	.	.	.	.	.
18	.	.	.	.	.	.	.	.	.	.	.	.	.
19	.	.	.	.	.	.	.	.	.	.	.	.	.
20	.	.	.	.	.	.	.	.	.	.	.	.	.
21	.	.	.	.	.	.	.	.	.	.	.	.	.
22	.	.	.	.	.	.	.	.	.	.	.	.	.
23	.	.	.	.	.	.	.	.	.	.	.	.	.
24	.	.	.	.	.	.	.	.	.	.	.	.	.
25	.	.	.	.	.	.	.	.	.	.	.	.	.
26	.	.	.	.	.	.	.	.	.	.	.	.	.
27	.	.	.	.	.	.	.	.	.	.	.	.	.
28	.	.	.	.	.	.	.	.	.	.	.	.	.
29	.	.	.	.	.	.	.	.	.	.	.	.	.
30	.	.	.	.	.	.	.	.	.	.	.	.	.
31	.	.	.	.	.	.	.	.	.	.	.	.	.
32	.	.	.	.	.	.	.	.	.	.	.	.	.
33	.	.	.	.	.	.	.	.	.	.	.	.	.
34	.	.	.	.	.	.	.	.	.	.	.	.	.
35	.	.	.	.	.	.	.	.	.	.	.	.	.
36	.	.	.	.	.	.	.	.	.	.	.	.	.
37	.	.	.	.	.	.	.	.	.	.	.	.	.
38	.	.	.	.	.	.	.	.	.	.	.	.	.
39	.	.	.	.	.	.	.	.	.	.	.	.	.
40	.	.	.	.	.	.	.	.	.	.	.	.	.
41	.	.	.	.	.	.	.	.	.	.	.	.	.
42	.	.	.	.	.	.	.	.	.	.	.	.	.
43	.	.	.	.	.	.	.	.	.	.	.	.	.
44	.	.	.	.	.	.	.	.	.	.	.	.	.
45	.	.	.	.	.	.	.	.	.	.	.	.	.
46	.	.	.	.	.	.	.	.	.	.	.	.	.
47	.	.	.	.	.	.	.	.	.	.	.	.	.
48	.	.	.	.	.	.	.	.	.	.	.	.	.
49	.	.	.	.	.	.	.	.	.	.	.	.	.
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68	.	.	.	.	.	.	.	.	.	.	.	.	.
69	.	.	.	.	.	.	.	.	.	.	.	.	.
70	.	.	.	.	.	.	.	.	.	.	.	.	.
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72	.	.	.	.	.	.	.	.	.	.	.	.	.
73	.	.	.	.	.	.	.	.	.	.	.	.	.
74	.	.	.	.	.	.	.	.	.	.	.	.	.
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76	.	.	.	.	.	.	.	.	.	.	.	.	.
77	.	.	.	.	.	.	.	.	.	.	.	.	.
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79	.	.	.	.	.	.	.	.	.	.	.	.	.
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82	.	.	.	.	.	.	.	.	.	.	.	.	.
83	.	.	.	.	.	.	.	.	.	.	.	.	.
84	.	.	.	.	.	.	.	.	.	.	.	.	.
85	.	.	.	.	.	.	.	.	.	.	.	.	.
86	.	.	.	.	.	.	.	.	.	.	.	.	.
87	.	.	.	.	.	.	.	.	.	.	.	.	.
88	.	.	.	.	.	.	.	.	.	.	.	.	.
89	.	.	.	.	.	.	.	.	.	.	.	.	.
90	.	.	.	.	.	.	.	.	.	.	.	.	.
91	.	.	.	.	.	.	.	.	.	.	.	.	.
92	.	.	.	.	.	.	.	.	.	.	.	.	.
93	.	.	.	.	.	.	.	.	.	.	.	.	.
94	.	.	.	.	.	.	.	.	.	.	.	.	.
95	.	.	.	.	.	.	.	.	.	.	.	.	.
96	.	.	.	.	.	.	.	.	.	.	.	.	.
97	.	.	.	.	.	.	.	.	.	.	.	.	.
98	.	.	.	.	.	.	.	.	.	.	.	.	.
99	.	.	.	.	.	.	.	.	.	.	.	.	.
100	.	.	.	.	.	.	.	.	.	.	.	.	.
MEAN	.	TRAC	.	TRAC	.	.	.	.	.	TRAC	TRAC	.	.
S.D.	.	.	.	.	.	.	.	.	.	.	.	.	.
TOTAL OBS.	11	117	117	117	117	117	117	117	117	117	117	117	117

(TOTAL SNOWFALL IN INCHES FOR ALL MONTHS)

USAF ETAC FORM 0-88-5 (OLA)  
JUL 64

# DAILY AMOUNTS

PERCENTAGE FREQUENCY OF  
SNOW DEPTHS  
(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

AMOUNTS (INCHES)														PERCENT OF DAYS WITH MEASUR- ABLE AMTS	TOTAL NO. OF OBS.	MONTHLY AMOUNTS (INCHES)		
PRECIP	NONE	TRACE	01	02-05	06-10	11-25	26-50	51-100	101-250	251-500	501-1000	1001-2000	OVER 2000			MEAN	GREATEST	LEAST
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5-3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4					
SNOW DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120					
JAN	.	.			.									.	1214			
FEB	.														1102			
MAR	.	.													1178			
APR	.														1167			
MAY	.														1177			
JUN	.														1190			
JUL	.														1178			
AUG	.														1178			
SEP	.														1190			
OCT	.														1177			
NOV	.														1148			
DEC	.	.													1178			
ANNUAL	.	.			.									.	13432			

NO DEF.

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

THEY ARE NOT IN THE HOUSE

[illegible]

USAF ETAC FORM 0-88-5 (OLA)  
JUL 84

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

**YEARS**

[illegible]

USAF ETAC FORM 0-88-5 (OLA)  
JUL 84

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

- \*1. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (\*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

- \*2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual - all hours combined, (2) By month - all hours combined, and (3) By month - by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

\*Values for means and standard deviations do not include measurements from incomplete months.

7. *Chlorophyll a* and *Chlorophyll b* (mg/g)

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

FILE NO. 157-1040

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
YEAR													
	</												

USAF ETAC FORM 0-88.5 (OLA)  
JUL 84

(C) U.S. DEPARTMENT OF JUSTICE

SECRET

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

4 -

**YEARS**

J. ILY, A. BÉGIN ET AL.

[illegible]

USAF ETAC FORM 0-88.5 (OLA)

CONFIDENTIALITY OF ALL CONTENT AND INFORMATION



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.							1.2	7.0
NNE	.	.	.	.	.							1.2	7.0
NE	.	.	.	.	.		.					1.2	6.7
ENE	.	.	.	.	.							1.2	6.7
E	.	.	.	.	.							1.2	6.1
ESE	.	.	.	.	.							1.2	6.0
SE	.	.	.	.	.							1.2	5.7
SSE	.	.	.	.	.							1.2	5.7
S	.	.	.	.	.							1.2	5.0
SSW	.	.	.	.	.							1.2	5.0
SW	.	.	.	.	.							1.2	5.0
WSW	.	.	.	.	.							1.2	5.0
W	.	.	.	.	.							1.2	5.0
WNW	.	.	.	.	.							1.2	4.0
NW	.	.	.	.	.							1.2	4.0
NNW	.	.	.	.	.							1.2	4.0
VARBL												1.2	
CALM												1.2	
	.	.	.	.	.	.	.	.	.	.	.	1.2	2.3

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.						3.2	4.7
NNE	.	.	.	.	.	.						2.6	7.7
NE	.	.	.									7.5	3.7
ENE	.	.	.									12.3	4.1
E	.	.	.	.	.							14.5	5.4
ESE	.	.	.	.	.							7.	5.1
SE	.	.	.	.	.							2.1	5.5
SSE	.	.	.									1.	5.1
S	.	.										1.	2.5
SSW	.	.										1.	1.
SW	.	.	.									1.	4.
WSW	.	.	.	.	.							1.	4.
W	.	.	.	.	.							1.	2.5
WNW	.	.	.	.	.							1.	6.
NW	.	.	.	.	.	1						1.6	5.1
NNW	.	.	.	.	.							1.3	6.4
VARBL													
CALM												41.5	
	.	1.6	1.	1.6	.	.						10.7	2.4

TOTAL NUMBER OF OBSERVATIONS 11

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.						2.4	4.5
NNE	.	.		.	.							2.4	4.5
NE	.	.	.		.	.						7.7	4.5
ENE	.	.	.									11.1	3.6
E	.	.	.									15.5	3.3
ESE	.	.	.									7.5	3.1
SE	.	.	.									4.3	3.0
SSE	.	.	.									1.7	3.0
S	.	.	.									.	2.6
SSW	.	.										2.3	2.7
SW	.	.	.									2.7	4.0
WSW	.	.	.	.								1.1	5.7
W	.	.	.	.								2.6	3.0
WNW	.	.	.	.	.							2.3	1.0
NW	.	.	.	.	.							2.3	3.0
NNW	.	.	.	.	.	.						1.5	7.3
VARBL													
CALM												77.3	
	.	.	2.4	1.1	.	2.7						210.7	2.4

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

11

HOURS (L.S.T.)

CLASS

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	4.1	7.4
NNE	.	.	.	.	.	.	.	.	.	.	.	4.1	5.
NE	.	.	.	.	.	.	.	.	.	.	.	3.9	4.1
ENE	.	.	.	.	.	.	.	.	.	.	.	4.5	3.1
E	.	.	.	.	.	.	.	.	.	.	.	6.2	2.9
ESE	.	.	.	.	.	.	.	.	.	.	.	4.4	3.4
SE	.	.	.	.	.	.	.	.	.	.	.	3.2	4.4
SSE	.	.	.	.	.	.	.	.	.	.	.	3.1	4.
S	.	.	.	.	.	.	.	.	.	.	.	2.	2.3
SSW	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
SW	.	.	.	.	.	.	.	.	.	.	.	1.4	3.1
WSW	.	.	.	.	.	.	.	.	.	.	.	3.7	4.1
W	.	.	.	.	.	.	.	.	.	.	.	3.4	3.2
WNW	.	.	.	.	.	.	.	.	.	.	.	3.3	3.9
NW	.	.	.	.	.	.	.	.	.	.	.	1.5	4.1
NNW	.	.	.	.	.	.	.	.	.	.	.	1.5	3.1
VARBL	.	.	.	.	.	.	.	.	.	.	.	.	.
CALM	.	.	.	.	.	.	.	.	.	.	.	45.9	.
	1.1	1.1	2.7	1.4	1.1	1.1	1.1	1.1	1.1	1.1	1.1	100.0	2.7

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		1911-1917
	CONDITION		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.						4.6	3.7
NNE	.	.	.	.	.	.						5.3	3.6
NE	.	.	.		.	.						1.6	3.4
ENE	.	.	.		.							2.8	3.0
E	.	.										1.7	2.7
ESE	.	.	.									1.6	4.1
SE	.	.	.									1.7	4.4
SSE	.	.	.									1.2	4.4
S	.	.	.	.								3.7	4.1
SSW	.	.	.	.								4.2	3.8
SW	.	.	.	.								7.8	3.1
WSW	.	.	.	.								5.8	4.3
W	.	.	.	.								13.7	4.4
WNW	.	.	.	.	.							5.9	4.2
NW	.	.	.	.	.							5.1	4.1
NNW	.	.	.	.	.							4.2	7.0
VARBL													
CALM												24.3	
	10.0	11.0	10.7	1.7	1.0	1.4						100.0	3.6

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

1967-1968

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.4	.	.	.					8.8	11.6
NNE	.	.	.	.	.	.	.					2.4	1.6
NE	.	.	.	.4	.	.	.					1.3	2.7
ENE	.	.	.									1.4	3.7
E	.	.	.									8.4	2.7
ESE	.	.	.									7.	4.
SE	.	.	.									8.	4.5
SSE	.	.	.									7.7	4.5
S	.	.	.	.	.							8.3	4.8
SSW	.	.	.	.	.							8.2	5.7
SW	.	.	.	.2	.							7.1	6.7
WSW	.	.	.7	.3								11.2	4.3
W	.	.7	.	.1								12.3	4.7
WNW	.	.	.	.2								7.5	5.
NW	.	.	.7	.7								1.5	6.1
NNW	.	.7	.	.								4.	7.1
VARBL													
CALM												21.5	
	.	.2	.4	.7	.1	.	.1					100.3	4.3

TOTAL NUMBER OF OBSERVATIONS

92

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	3.9	4.1
NNE	.	.	.	.	.	.	.	.	.	.	.	1.3	12.3
NE	.	.	.	.	.	.	.	.	.	.	.	3.2	3.7
ENE	.	.	.	.	.	.	.	.	.	.	.	6.5	4.3
E	.	.	.	.	.	.	.	.	.	.	.	1.2	4.1
ESE	.	.	.	.	.	.	.	.	.	.	.	7.5	3.2
SE	.	.	.	.	.	.	.	.	.	.	.	6.5	3.7
SSE	.	.	.	.	.	.	.	.	.	.	.	1.	4.
S	.	.	.	.	.	.	.	.	.	.	.	1.3	2.6
SSW	.	.	.	.	.	.	.	.	.	.	.	1.	1.7
SW	.	.	.	.	.	.	.	.	.	.	.	1.2	3.4
WSW	.	.	.	.	.	.	.	.	.	.	.	4.7	4.
W	.	.	.	.	.	.	.	.	.	.	.	3.7	4.7
WNW	.	.	.	.	.	.	.	.	.	.	.	1.4	3.
NW	.	.	.	.	.	.	.	.	.	.	.	1.	3.7
NNW	.	.	.	.	.	.	.	.	.	.	.	1.3	6.7
VARBL													
CALM												75.5	
	.	2.4	5.4	7.7	3.	1.	1.					112.5	2.7

TOTAL NUMBER OF OBSERVATIONS 97

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	3.3	1.7
NNE	.	.	.	.	.	.	.	.	.	.	.	3.3	3.7
NE	.	.	.	.	.	.	.	.	.	.	.	5.6	4.4
ENE	.	.	.	.	.	.	.	.	.	.	.	11.0	3.0
E	.	.	.	.	.	.	.	.	.	.	.	12.7	3.3
ESE	.	.	.	.	.	.	.	.	.	.	.	12.7	3.4
SE	.	.	.	.	.	.	.	.	.	.	.	12.7	3.4
SSE	.	.	.	.	.	.	.	.	.	.	.	12.7	3.0
S	.	.	.	.	.	.	.	.	.	.	.	12.7	3.0
SSW	.	.	.	.	.	.	.	.	.	.	.	12.7	3.0
SW	.	.	.	.	.	.	.	.	.	.	.	12.7	3.0
WSW	.	.	.	.	.	.	.	.	.	.	.	12.7	3.0
W	.	.	.	.	.	.	.	.	.	.	.	12.7	4.0
WNW	.	.	.	.	.	.	.	.	.	.	.	12.7	4.0
NW	.	.	.	.	.	.	.	.	.	.	.	12.7	3.0
NNW	.	.	.	.	.	.	.	.	.	.	.	12.7	3.0
VARBL													
CALM												40.3	
	.	.	.	.	.	.	.	.	.	.	.	100.0	3.4

TOTAL NUMBER OF OBSERVATIONS



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	2.3	4.2
NNE	.	.	.	.	.	.	.	.	.	.	.	2.7	7.2
NE	.	.	.	.	.	.	.	.	.	.	.	3.5	4.4
ENE	.	.	.	.	.	.	.	.	.	.	.	7.5	5.1
E	.	.	.	.	.	.	.	.	.	.	.	8.1	3.4
ESE	.	.	.	.	.	.	.	.	.	.	.	1.0	3.7
SE	.	.	.	.	.	.	.	.	.	.	.	2.8	3.1
SSE	.	.	.	.	.	.	.	.	.	.	.	3.3	4.8
S	.	.	.	.	.	.	.	.	.	.	.	1.1	3.8
SSW	.	.	.	.	.	.	.	.	.	.	.	2.1	3.8
SW	.	.	.	.	.	.	.	.	.	.	.	3.8	4.8
WSW	.	.	.	.	.	.	.	.	.	.	.	4.4	4.4
W	.	.	.	.	.	.	.	.	.	.	.	4.7	4.8
WNW	.	.	.	.	.	.	.	.	.	.	.	1.2	4.7
NW	.	.	.	.	.	.	.	.	.	.	.	2.8	5.1
NNW	.	.	.	.	.	.	.	.	.	.	.	2.8	5.8
VARBL													
CALM												24.2	
	.	13.1	8.7	1.3	.7	.7	.1					100.0	4.8

TOTAL NUMBER OF OBSERVATIONS 744

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.							1.4	1.4
NNE	.	.	.	.	.							1.1	1.1
NE	.	.	.	.	.							7.4	1.1
ENE	.	.	.									1.1	1.1
E	.	.	.	.	.							1.1	1.1
ESE	.	.	.	.	.							1.7	1.1
SE	.	.	.	.	.							1.7	1.1
SSE	.	.	.	.	.							1.1	1.1
S	.	.	.	.	.							1.1	1.1
SSW	.	.	.	.	.							1.1	1.1
SW	.	.	.	.	.							1.7	1.1
WSW	.	.	.	.	.							1.7	1.1
W	.	.	.	.	.							1.1	1.1
WNW	.	.	.	.	.							1.1	1.1
NW	.	.	.	.	.							1.1	1.1
NNW	.	.	.	.	.							1.1	1.1
VARBL													
CALM												29.0	
	2.0	1.1	4.0	1.1	1.1							1.1	1.1

TOTAL NUMBER OF OBSERVATIONS 4

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS (L.S.T.)	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	1.2							1.4	1.2
NNE	.	.	.	.								1.4	1.2
NE	.	.	.	.								1.4	1.2
ENE	.	.	.	.								1.4	1.2
E	.	.	.	.								1.4	1.2
ESE	.	.	.	.								1.4	1.2
SE	.	.	.	.								1.4	1.2
SSE	.	.	.	.								1.4	1.2
S	.	.	.	.								1.4	1.2
SSW	.	.	.	.								1.4	1.2
SW	.	.	.	.								1.4	1.2
WSW	.	.	.	.								1.4	1.2
W	.	.	.	.								1.4	1.2
WNW	.	.	.	.								1.4	1.2
NW	.	.	.	.								1.4	1.2
NNW	.	.	.	.								1.4	1.2
VARBL												1.4	1.2
CALM												1.4	1.2

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.						0.0	0.0
NNE	.	.	.	.	.	.						0.0	0.0
NE	.	.				.						0.0	0.0
ENE	.	.				.						0.0	0.0
E	.	.										0.0	0.0
ESE	.	.	.									0.0	0.0
SE	.	.	.									0.0	0.0
SSE	.	.	.	.								0.0	0.0
S	.	.	.	.								0.0	0.0
SSW	.	.	.	.	.							0.0	0.0
SW	.	.	.	.	.							0.0	0.0
WSW	.	.	.	.	.							0.0	0.0
W	.	.	.	.	.							0.0	0.0
WNW	.	.	.	.	.							0.0	0.0
NW	.	.	.	.	.							0.0	0.0
NNW	.	.	.	.	.							0.0	0.0
VARBL													
CALM													
	.	.	.	.	.	.	.	.	.	.	.	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

FE

MONTH

CLASS

197-197

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	7.4	12.3
NNE	.	.	.	.	.	.	.	.	.	.	.	3.1	10.4
NE	.	.	.	.	.	.	.	.	.	.	.	1.4	8.7
ENE	.	.	.	.	.	.	.	.	.	.	.	1.1	3.3
E	.	.	.	.	.	.	.	.	.	.	.	3.3	1.8
ESE	.	.	.	.	.	.	.	.	.	.	.	.	3.3
SE	.	.	.	.	.	.	.	.	.	.	.	.	3.7
SSE	.	.	.	.	.	.	.	.	.	.	.	.	3.4
S	.	.	.	.	.	.	.	.	.	.	.	4.6	3.1
SSW	.	.	.	.	.	.	.	.	.	.	.	4.6	4.1
SW	.	.	.	.	.	.	.	.	.	.	.	7.3	4.3
WSW	.	.	.	.	.	.	.	.	.	.	.	14.3	4.1
W	.	.	.	.	.	.	.	.	.	.	.	13.3	4.3
WNW	.	.	.	.	.	.	.	.	.	.	.	3.6	4.3
NW	.	.	.	.	.	.	.	.	.	.	.	3.3	3.3
NNW	.	.	.	.	.	.	.	.	.	.	.	3.3	3.3
VARBL	.	.	.	.	.	.	.	.	.	.	.	10.3	
CALM	.	.	.	.	.	.	.	.	.	.	.	10.3	
	.	.	.	.	.	.	.	.	.	.	.	10.3	4.1

TOTAL NUMBER OF OBSERVATIONS

143

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	0.7	1.0
NNE	.	.	.	.	.	.	.	.	.	.	.	0.4	1.0
NE	.	.	.	.	.	.	.	.	.	.	.	1.4	7.0
ENE	.	.	.	.	.	.	.	.	.	.	.	1.3	2.0
E	.	.	.	.	.	.	.	.	.	.	.	1.7	4.0
ESE	.	.	.	.	.	.	.	.	.	.	.	.	4.0
SE	.	.	.	.	.	.	.	.	.	.	.	0.1	0.0
SSE	.	.	.	.	.	.	.	.	.	.	.	0.1	0.0
S	.	.	.	.	.	.	.	.	.	.	.	0.0	0.0
SSW	.	.	.	.	.	.	.	.	.	.	.	0.0	0.0
SW	.	.	.	.	.	.	.	.	.	.	.	0.0	4.0
WSW	.	.	.	.	.	.	.	.	.	.	.	0.1	0.4
W	.	.	.	.	.	.	.	.	.	.	.	0.0	0.0
WNW	.	.	.	.	.	.	.	.	.	.	.	0.4	0.0
NW	.	.	.	.	.	.	.	.	.	.	.	0.0	0.0
NNW	.	.	.	.	.	.	.	.	.	.	.	0.0	0.0
VARBL	.	.	.	.	.	.	.	.	.	.	.	.	.
CALM	.	.	.	.	.	.	.	.	.	.	.	0.0	.
	.	.	.	.	.	.	.	.	.	.	.	1.0	0.0

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	4.9	5.0
NNE	.	.	.	.	.	.	.	.	.	.	.	1.7	7.0
NE	.	.	.	.	.	.	.	.	.	.	.	2.3	7.0
ENE	.	.	.	.	.	.	.	.	.	.	.	7.6	4.0
E	.	.	.	.	.	.	.	.	.	.	.	7.4	3.0
ESE	.	.	.	.	.	.	.	.	.	.	.	6.3	3.4
SE	.	.	.	.	.	.	.	.	.	.	.	6.3	3.4
SSE	.	.	.	.	.	.	.	.	.	.	.	6.0	4.0
S	.	.	.	.	.	.	.	.	.	.	.	6.1	4.0
SSW	.	.	.	.	.	.	.	.	.	.	.	6.9	3.4
SW	.	.	.	.	.	.	.	.	.	.	.	6.9	3.0
WSW	.	.	.	.	.	.	.	.	.	.	.	6.4	4.0
W	.	.	.	.	.	.	.	.	.	.	.	6.2	3.0
WNW	.	.	.	.	.	.	.	.	.	.	.	6.1	3.0
NW	.	.	.	.	.	.	.	.	.	.	.	1.3	6.0
NNW	.	.	.	.	.	.	.	.	.	.	.	2.5	6.7
VARBL													
CALM												72.0	
	.	.	.	.	.	.	.	.	.	.	.	100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 640



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.7	.0	.0	.7	.0	.0						2.7	10.0
NNE	.0	.0	.0	.0	.0	.0						2.1	0.0
NE	.0	.0	.0	.0	.0	.0						5.0	4.7
ENE	.0	.0	.0	.0	.0	.0						7.7	4.0
E	.0	.0	.0	.0	.0	.0						11.4	3.4
ESE	.0	.0	.0	.0	.0	.0						11.3	3.4
SE	.0	.0	.0	.0	.0	.0						5.0	2.0
SSE	.0	.0	.0	.0	.0	.0						1.7	0.0
S	.0	.0	.0	.0	.0	.0						1.3	2.0
SSW	.0	.0	.0	.0	.0	.0						1.3	2.0
SW	.0	.0	.0	.0	.0	.0						.0	0.0
WSW	.0	.0	.0	.0	.0	.0						1.1	2.0
W	.0	.0	.0	.0	.0	.0						2.4	2.7
WNW	.0	.0	.0	.0	.0	.0						1.1	4.2
NW	.0	.0	.0	.0	.0	.0						.4	0.2
NNW	.0	.0	.0	.0	.0	.0						.0	11.0
VARBL													
CALM												41.6	
	.0	.0	.0	.4	.7	.0						1.0	0.4

TOTAL NUMBER OF OBSERVATIONS 147

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL DATA		ALL
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.					4.0	11.0
NNE	.	.	.	.	.	.	.					2.0	7.0
NE	.	.	.	.	.	.	.					4.7	4.0
ENE	.	.	.	.	.	.	.					3.2	3.5
E	.	.	.	.	.	.	.					5.3	7.5
ESE	.	.	.	.	.	.	.					5.1	5.0
SE	.	.	.	.	.	.	.					4.6	3.7
SSE	.	.	.	.	.	.	.					2.5	4.5
S	.	.	.	.	.	.	.					5.5	4.7
SSW	.	.	.	.	.	.	.					2.5	4.7
SW	.	.	.	.	.	.	.					3.4	4.4
WSW	.	.	.	.	.	.	.					3.4	4.5
W	.	.	.	.	.	.	.					3.7	4.0
WNW	.	.	.	.	.	.	.					2.7	4.5
NW	.	.	.	.	.	.	.					1.5	5.0
NNW	.	.	.	.	.	.	.					2.0	5.7
VARBL													
CALM												32.0	
	.	4.7	7	10.0	1.7	4	1					11.0	5.4

TOTAL NUMBER OF OBSERVATIONS 6750

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.1	.4	.							1.7	3.1
NNE	.	.	.1	.7								1.8	3.4
NE	.	.	.1	.1								2.3	3.4
ENE	.	.	.	.1								5.5	3.7
E	.	.1	.1									11.7	3.1
ESE	.	.	.1									6.4	2.9
SE	.	.1	.1									3.4	2.1
SSE	.	.										3.2	3.1
S	.	.	.1									1.9	3.3
SSW	.	.										1.3	2.7
SW	.	.	.1									1.2	3.3
WSW	.	.1										3.1	2.8
W	.	.1	.1									3.9	4.1
WNW	.	.										1.2	3.4
NW	.	.		.1		.1						.5	3.7
NNW	.	.1	.1									.3	3.1
VARBL												45.7	
CALM													
	.	17.7	2.6	1.2	.1	.1						13.1	1.9

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.							1.0	2.0
NNE	.	.	.	.	.	.						2.0	2.5
NE	.	.	.	.	.							4.0	3.0
ENE	.	.	.	.	.							7.0	4.0
E	.	.	.	.	.							11.0	3.0
ESE	.	.	.	.	.							1.0	2.0
SE	.	.	.	.	.							4.0	3.0
SSE	.	.	.	.	.							1.0	3.0
S	.	.	.	.	.							1.0	2.0
SSW	.	.	.	.	.							1.0	2.0
SW	.	.	.	.	.							1.0	2.0
WSW	.	.	.	.	.							1.0	2.0
W	.	.	.	.	.							1.0	3.0
WNW	.	.	.	.	.							1.0	3.0
NW	.	.	.	.	.							1.0	3.0
NNW	.	.	.	.	.							1.0	3.0
VARBL													
CALM												40.0	
	.	17.0	4.0	1.0	.	.						11.0	2.0

TOTAL NUMBER OF OBSERVATIONS

43

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	2.5	1.5
NNE	.	.	.	.	.	.	.	.	.	.	.	2.5	7.0
NE	.	.	.	.	.	.	.	.	.	.	.	4.5	4.0
ENE	.	.	.	.	.	.	.	.	.	.	.	6.4	5.0
E	.	.	.	.	.	.	.	.	.	.	.	1.0	3.1
ESE	.	.	.	.	.	.	.	.	.	.	.	1.0	3.4
SE	.	.	.	.	.	.	.	.	.	.	.	2.0	3.3
SSE	.	.	.	.	.	.	.	.	.	.	.	.	3.1
S	.	.	.	.	.	.	.	.	.	.	.	1.0	2.7
SSW	.	.	.	.	.	.	.	.	.	.	.	1.0	3.0
SW	.	.	.	.	.	.	.	.	.	.	.	1.2	2.5
WSW	.	.	.	.	.	.	.	.	.	.	.	1.0	2.0
W	.	.	.	.	.	.	.	.	.	.	.	.	2.7
WNW	.	.	.	.	.	.	.	.	.	.	.	1.0	3.0
NW	.	.	.	.	.	.	.	.	.	.	.	1.4	1.0
NNW	.	.	.	.	.	.	.	.	.	.	.	1.2	1.0
VARBL	.	.	.	.	.	.	.	.	.	.	.	44.2	
CALM	.	.	.	.	.	.	.	.	.	.	.		
	1.4	7.0	7.1	7.1	1.0	1.1						1.0	2.7

TOTAL NUMBER OF OBSERVATIONS 45

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.					4.4	11.4
NNE	.	.	.	.	.	.	.					5.5	12.4
NE	.	.	.									1.6	3.7
ENE	.	.	.									2.7	2.4
E	.	.	.									.1	4.4
ESE	.	.	.									.1	3.4
SE	.	.	.	.	.							2.7	7.4
SSE	.	.	.	.	.							.9	1.4
S	.	.	.	.	.							4.1	4.1
SSW	.	.	.									1.3	1.4
SW	.	.	.									6.7	3.4
WSW	.	.	.									3.4	1.4
W	.	.	.	.	.							11.3	4.4
WNW	.	.	.	.	.							5.1	3.4
NW	.	.	.	.	.							5.7	4.5
NNW	.	.	.	.	.							7.6	5.7
VARBL													
CALM												73.5	
	.	14.1	7.3	7.6	1.7	.7	.7					100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 97

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.							1.4	10.7
NNE	.	.	.	.	.							1.5	10.0
NE	.	.	.	.	.							1.1	9.0
ENE	.	.	.	.	.							1.0	4.5
E	.	.	.	.	.							1.9	3.7
ESE	.	.	.	.	.							1.0	2.7
SE	.	.	.	.	.							1.0	5.0
SSE	.	.	.	.	.							1.3	5.2
S	.	.	.	.	.							1.4	4.7
SSW	.	.	.	.	.							1.7	0.0
SW	.	.	.	.	.							11.1	1.0
WSW	.	.	.	.	.							14.1	7.0
W	.	.	.	.	.							14.0	7.0
WNW	.	.	.	.	.							4.1	7.0
NW	.	.	.	.	.							1.8	1.0
NNW	.	.	.	.	.							2.9	0.0
VARBL													
CALM												6.7	
	.	37.7	50.5	11.2	1.2							1.0	1.0

TOTAL NUMBER OF OBSERVATIONS 93



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.							1.0	1.0
NNE	.	.	.	.	.							1.2	1.0
NE	.	.	.									1.3	1.4
ENE	.	.	.									1.5	1.5
E	.	.	.	.	.							1.7	1.7
ESE	.	.	.									1.8	1.8
SE	.	.	.									1.9	1.9
SSE	.	.	.									2.0	2.0
S	.	.	.	.	.							2.1	2.1
SSW	.	.	.									2.2	2.2
SW	.	.	.									2.3	2.3
WSW	.	.	.									2.4	2.4
W	.	.	.	.	.							2.5	2.5
WNW	.	.	.									2.6	2.6
NW	.	.	.									2.7	2.7
NNW	.	.	.	.	.							2.8	2.8
VARBL												2.9	2.9
CALM												3.0	3.0
	.	.	.	.	.	.	.	.	.	.	.	3.1	3.1

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.					1.7	4.0
NNE	.	.	.	.	.	.	.					1.7	4.0
NE	.	.	.	.	.	.	.					1.7	4.0
ENE	.	.	.	.	.	.	.					1.7	4.0
E	.	.	.	.	.	.	.					1.7	4.0
ESE	.	.	.	.	.	.	.					1.7	4.0
SE	.	.	.	.	.	.	.					1.7	4.0
SSE	.	.	.	.	.	.	.					1.7	4.0
S	.	.	.	.	.	.	.					1.7	4.0
SSW	.	.	.	.	.	.	.					1.7	4.0
SW	.	.	.	.	.	.	.					1.7	4.0
WSW	.	.	.	.	.	.	.					1.7	4.0
W	.	.	.	.	.	.	.					1.7	4.0
WNW	.	.	.	.	.	.	.					1.7	4.0
NW	.	.	.	.	.	.	.					1.7	4.0
NNW	.	.	.	.	.	.	.					1.7	4.0
VARBL												1.7	4.0
CALM												1.7	4.0
	.	.	.	.	.	.	.					1.7	4.0

TOTAL NUMBER OF OBSERVATIONS 704

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

<b>STATION</b>	<b>STATION NAME</b>	<b>YEARS</b>	<b>MONTH</b>
	<b>CLASS</b>		<b>HOURS (L.S.T.)</b>
	<b>CONDITION</b>		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N				.								.1	14.0
NNE	.	.		.	.							.1	0.7
NE	.	.	.	.								1.7	7.1
ENE	.	.	.									3.4	0.3
E	.	.	.									3.4	0.6
ESE	.	.										1.7	2.3
SE	.	.										.	2.3
SSE	.	.	.									1.7	2.3
S	.	.	.									.1	2.3
SSW	.	.	.									.7	3.4
SW	.	.	.									1.7	3.4
WSW	.	.	.	.								4.1	1.7
W	.	.	.									1.7	3.4
WNW	.	.	.									1.7	4.1
NW	.	.										.1	2.3
NNW	.	.		.								.7	.1
VARBL												17.0	
CALM													
	.	1.0	1.0	.	.							1.0	1.4

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL DATA		1-12
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	1.4	1.0
NNE	.	.	.	.	.	.	.	.	.	.	.	1.3	1.0
NE	.	.	.	.	.	.	.	.	.	.	.	1.3	1.0
ENE	.	.	.	.	.	.	.	.	.	.	.	1.1	1.0
E	.	.	.	.	.	.	.	.	.	.	.	1.1	1.0
ESE	.	.	.	.	.	.	.	.	.	.	.	1.3	1.0
SE	.	.	.	.	.	.	.	.	.	.	.	1.4	1.0
SSE	.	.	.	.	.	.	.	.	.	.	.	1.1	1.0
S	.	.	.	.	.	.	.	.	.	.	.	1.1	1.0
SSW	.	.	.	.	.	.	.	.	.	.	.	1.1	1.0
SW	.	.	.	.	.	.	.	.	.	.	.	1.2	1.0
WSW	.	.	.	.	.	.	.	.	.	.	.	1.1	1.0
W	.	.	.	.	.	.	.	.	.	.	.	1.1	1.0
WNW	.	.	.	.	.	.	.	.	.	.	.	1.0	1.0
NW	.	.	.	.	.	.	.	.	.	.	.	1.7	1.0
NNW	.	.	.	.	.	.	.	.	.	.	.	1.0	1.0
VARBL	.	.	.	.	.	.	.	.	.	.	.	1.0	1.0
CALM	.	.	.	.	.	.	.	.	.	.	.	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.							1.4	1.0
NNE	.	.	.	.	.							2.3	2.1
NE	.	.	.	.	.							3.6	2.2
ENE	.	.	.	.	.							4.7	2.3
E	.	.	.	.	.							5.1	2.7
ESE	.	.	.	.	.							5.4	2.8
SE	.	.	.	.	.							5.7	2.9
SSE	.	.	.	.	.							5.9	3.0
S	.	.	.	.	.							6.1	3.1
SSW	.	.	.	.	.							6.7	3.2
SW	.	.	.	.	.							6.8	3.3
WSW	.	.	.	.	.							4.7	3.0
W	.	.	.	.	.							3.6	3.0
WNW	.	.	.	.	.							1.2	3.1
NW	.	.	.	.	.							6.4	3.0
NNW	.	.	.	.	.							6.4	2.7
VARBL												5.9	
CALM												5.9	
	.	1.1	1.1	1.1	1.1							1.1	1.1

TOTAL NUMBER OF OBSERVATIONS Y

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

ALL WEATHER

CLASS

9-11

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.							3.4	1.1
NNE	.	.	.	.	.							3.5	1.2
NE	.	.	.	.	.							1.0	3.7
ENE	.	.	.	.	.							1.1	3.8
E	.	.	.	.	.							2.5	2.8
ESE	.	.	.	.	.							1.7	3.3
SE	.	.	.	.	.							.0	3.3
SSE	.	.	.	.	.							1.0	4.1
S	.	.	.	.	.							3.7	4.2
SSW	.	.	.	.	.							3.0	3.4
SW	.	.	.	.	.							1.0	4.1
WSW	.	.	.	.	.							1.1	4.7
W	.	.	.	.	.							13.6	4.7
WNW	.	.	.	.	.							7.1	4.8
NW	.	.	.	.	.							4.2	4.3
NNW	.	.	.	.	.							2.2	3.6
VARBL													
CALM												77.4	
	3.4	3.7	1.1	1.1	1.2							171.0	3.2

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

ALL DATA

CLASS

17-147

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	1.	1.	.	.							4.7	5.6
NNE	.	.	.	.	.							1.1	12.
NE	.	.	.	.	.							1.1	1.
ENE	.	.	.	.	.							.	5.2
E	.	.	.	.	.							1.7	4.
ESE	.	.	.	.	.							1.7	5.7
SE	.	.	.	.	.							1.7	4.5
SSE	.	.	.	.	.							1.7	4.1
S	.	.	.	.	.							2.2	4.5
SSW	.	.	.	.	.							2.2	4.
SW	.	.	.	.	.							.	5.7
WSW	.	.	.	.	.							1.3	6.
W	.	.	.	.	.							2.6	6.7
WNW	.	.	.	.	.							2.2	5.
NW	.	.	.	.	.							4.5	5.5
NNW	.	.	.	.	.							4.7	5.7
VARBL													
CALM												7.	
	.	.	2.7	.	2.3							1.1	5.6

TOTAL NUMBER OF OBSERVATIONS



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	.7	11.3
NNE	.	.	.	.	.	.	.	.	.	.	.	.1	1.0
NE	.	.	.	.	.	.	.	.	.	.	.	.7	1.0
ENE	.	.	.	.	.	.	.	.	.	.	.	.3	2.0
E	.	.	.	.	.	.	.	.	.	.	.	.6	3.0
ESE	.	.	.	.	.	.	.	.	.	.	.	.4	4.0
SE	.	.	.	.	.	.	.	.	.	.	.	.3	4.0
SSE	.	.	.	.	.	.	.	.	.	.	.	.1	5.0
S	.	.	.	.	.	.	.	.	.	.	.	.7	5.0
SSW	.	.	.	.	.	.	.	.	.	.	.	.3	5.0
SW	.	.	.	.	.	.	.	.	.	.	.	.3	7.0
WSW	.	.	.	.	.	.	.	.	.	.	.	.1	6.0
W	.	.	.	.	.	.	.	.	.	.	.	.1	7.0
WNW	.	.	.	.	.	.	.	.	.	.	.	.3	7.0
NW	.	.	.	.	.	.	.	.	.	.	.	.6	5.0
NNW	.	.	.	.	.	.	.	.	.	.	.	.1	5.0
VARBL													
CALM												.1	
	.	.	47.6	1.0	1.0	.	.	.	.	.	.	1.0	7.8

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	DATE	MONTH
		1977	
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.								0.0	0.4
NNE		.	.	.								0.0	0.7
NE	.	.	.	.								0.0	0.9
ENE	.	.	.	.								1.0	7.0
E	.	.	.									1.0	4.0
ESE	.	.	.									1.4	3.0
SE	.	.	.									1.0	3.7
SSE	.	.										0.7	3.0
S	.	.	.	.								1.0	4.0
SSW	.	.	.	.								1.4	3.0
SW	.	.	.									1.0	4.0
WSW	.	.	.	.								0.0	0.0
W	.	.	.	.								74.1	0.1
WNW	.	.	.	.								1.4	0.7
NW	.	.	.	.								1.0	0.0
NNW	.	.	.	.								1.1	7.0
VARBL													
CALM												17.0	
												1.0	4.0

TOTAL NUMBER OF OBSERVATIONS 40

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL STATE		1 - 1951
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.		.									.3	1.7
NNE	.		.	.1								.4	7.0
NE	.	.	.									.7	4.0
ENE	.	.										1.3	3.0
E	.	.	.									6.6	3.1
ESE	.	.										.0	2.4
SE	.	.										.7	2.3
SSE	.	.										.5	1.2
S	.	.										1.0	2.0
SSW	.	.	.									.7	3.0
SW	.	.	.									1.0	3.0
WSW	.	.	.									.3	3.0
W	.	.	.									3.0	4.0
WNW	.	.	.1									1.0	4.0
NW	.	.										.0	3.0
NNW	.	.										.4	4.0
VARBL													
CALM												0.1	
												1.0	1.7

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.						1.0	3.0
NNE	.	.	.	.	.							1.4	3.1
NE	.	.	.	.	.	.						1.6	4.3
ENE	.	.	.	.	.							1.2	3.7
E	.	.	.	.	.							4.4	3.0
ESE	.	.	.	.	.							1.2	2.1
SE	.	.	.	.	.							1.0	2.0
SSE	.	.	.	.	.							1.0	3.0
S	.	.	.	.	.							1.7	4.0
SSW	.	.	.	.	.							1.0	4.1
SW	.	.	.	.	.	.						1.7	3.0
WSW	.	.	.	.	.	.						1.6	3.0
W	.	.	.	.	.	.						17.8	3.0
WNW	.	.	.	.	.	.						3.0	3.7
NW	.	.	.	.	.	.						1.0	3.0
NNW	.	.	.	.	.	.						1.4	2.0
VARBL													
CALM												34.0	
	.	.	.	.	.	.						1.0	3.0

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
CLASS		HOURS (L.S.T.)	
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.	.
NNE	.											.	.
NE	.	.										.	.
ENE	.	.										.	.
E	.	.	.									.	.
ESE	.	.										.	.
SE	.	.	.									.	.
SSE	.											.	.
S	.	.	.									.	.
SSW	.	.										.	.
SW	.	.										.	.
WSW	.	.										.	.
W	.	.										.	.
WNW	.	.	.									.	.
NW	.	.										.	.
NNW	.	.										.	.
VARBL													
CALM													
	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	.	.
NNE	.	.	.	.	.	.	.	.	.	.	.	.	.
NE	.	.	.	.	.	.	.	.	.	.	.	.	.
ENE	.	.	.	.	.	.	.	.	.	.	.	.	.
E	.	.	.	.	.	.	.	.	.	.	.	.	.
ESE	.	.	.	.	.	.	.	.	.	.	.	.	.
SE	.	.	.	.	.	.	.	.	.	.	.	.	.
SSE	.	.	.	.	.	.	.	.	.	.	.	.	.
S	.	.	.	.	.	.	.	.	.	.	.	.	.
SSW	.	.	.	.	.	.	.	.	.	.	.	.	.
SW	.	.	.	.	.	.	.	.	.	.	.	.	.
WSW	.	.	.	.	.	.	.	.	.	.	.	.	.
W	.	.	.	.	.	.	.	.	.	.	.	.	.
WNW	.	.	.	.	.	.	.	.	.	.	.	.	.
NW	.	.	.	.	.	.	.	.	.	.	.	.	.
NNW	.	.	.	.	.	.	.	.	.	.	.	.	.
VARBL	.	.	.	.	.	.	.	.	.	.	.	.	.
CALM	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS



# SURFACE WIND

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS
	CLASS	HO
	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%
N	.	.	.	.	.	.	.	.	.	.	.	.
NNE	.	.	.	.	.	.	.	.	.	.	.	.
NE	.	.	.	.	.	.	.	.	.	.	.	.
ENE	.	.	.	.	.	.	.	.	.	.	.	.
E	.	.	.	.	.	.	.	.	.	.	.	.
ESE	.	.	.	.	.	.	.	.	.	.	.	.
SE	.	.	.	.	.	.	.	.	.	.	.	.
SSE	.	.	.	.	.	.	.	.	.	.	.	.
S	.	.	.	.	.	.	.	.	.	.	.	.
SSW	.	.	.	.	.	.	.	.	.	.	.	.
SW	.	.	.	.	.	.	.	.	.	.	.	.
WSW	.	.	.	.	.	.	.	.	.	.	.	.
W	.	.	.	.	.	.	.	.	.	.	.	.
WNW	.	.	.	.	.	.	.	.	.	.	.	.
NW	.	.	.	.	.	.	.	.	.	.	.	.
NNW	.	.	.	.	.	.	.	.	.	.	.	.
VARBL	.	.	.	.	.	.	.	.	.	.	.	.
CALM	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.							.	.
NNE	.			.								.	.
NE	.											.	.
ENE	.			.								.	.
E	.	.										.	.
ESE	.	.	.									.	.
SE	.	.										.	.
SSE	.	.	.									.	.
S	.	.	.									.	.
SSW	.	.	.									.	.
SW	.	.	.	.								.	.
WSW	.	.	.	.	.							.	.
W	.	.	.	.	.	.						.	.
WNW	.	.	.	.	.							.	.
NW	.	.	.	.								.	.
NNW	.	.	.									.	.
VARBL												.	.
CALM												.	.
	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	.	.
NNE	.	.	.	.	.	.	.	.	.	.	.	.	.
NE	.	.	.	.	.	.	.	.	.	.	.	.	.
ENE	.	.	.	.	.	.	.	.	.	.	.	.	.
E	.	.	.	.	.	.	.	.	.	.	.	.	.
ESE	.	.	.	.	.	.	.	.	.	.	.	.	.
SE	.	.	.	.	.	.	.	.	.	.	.	.	.
SSE	.	.	.	.	.	.	.	.	.	.	.	.	.
S	.	.	.	.	.	.	.	.	.	.	.	.	.
SSW	.	.	.	.	.	.	.	.	.	.	.	.	.
SW	.	.	.	.	.	.	.	.	.	.	.	.	.
WSW	.	.	.	.	.	.	.	.	.	.	.	.	.
W	.	.	.	.	.	.	.	.	.	.	.	.	.
WNW	.	.	.	.	.	.	.	.	.	.	.	.	.
NW	.	.	.	.	.	.	.	.	.	.	.	.	.
NNW	.	.	.	.	.	.	.	.	.	.	.	.	.
VARBL	.	.	.	.	.	.	.	.	.	.	.	.	.
CALM	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION	STATION NAME	YEARS	MONTH
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	.	.
NNE	.	.	.	.	.	.	.	.	.	.	.	.	.
NE	.	.	.	.	.	.	.	.	.	.	.	.	.
ENE	.	.	.	.	.	.	.	.	.	.	.	.	.
E	.	.	.	.	.	.	.	.	.	.	.	.	.
ESE	.	.	.	.	.	.	.	.	.	.	.	.	.
SE	.	.	.	.	.	.	.	.	.	.	.	.	.
SSE	.	.	.	.	.	.	.	.	.	.	.	.	.
S	.	.	.	.	.	.	.	.	.	.	.	.	.
SSW	.	.	.	.	.	.	.	.	.	.	.	.	.
SW	.	.	.	.	.	.	.	.	.	.	.	.	.
WSW	.	.	.	.	.	.	.	.	.	.	.	.	.
W	.	.	.	.	.	.	.	.	.	.	.	.	.
WNW	.	.	.	.	.	.	.	.	.	.	.	.	.
NW	.	.	.	.	.	.	.	.	.	.	.	.	.
NNW	.	.	.	.	.	.	.	.	.	.	.	.	.
VARBL	.	.	.	.	.	.	.	.	.	.	.	.	.
CALM	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.										.	3.0
NNE	.	.										.	3.0
NE	.	.										.	3.0
ENE	.	.										.	3.0
E	.	.										.	3.0
ESE	.	.										.	3.0
SE	.	.										.	3.0
SSE	.	.	.									.	3.0
S	.	.	.									.	3.0
SSW	.	.	.									.	3.0
SW	.	.	.									.	3.0
WSW	.	.	.									.	3.0
W	.	.	.									.	3.0
WNW	.	.	.									.	3.0
NW	.	.	.									.	3.0
NNW	.	.	.									.	3.0
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.										.	1.
NNE	.	.										.	1.
NE	.	.										.	1.
ENE	.	.										.	1.
E	.	.										.	1.
ESE	.	.										.	1.
SE	.	.										.	1.
SSE	.	.										.	1.
S	.	.										.	1.
SSW	.	.										.	1.
SW	.	.										.	1.
WSW	.	.										.	1.
W	.	.										.	1.
WNW	.	.										.	1.
NW	.	.										.	1.
NNW	.	.										.	1.
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.								1.0	4.0
NNE	.	.										1.0	4.0
NE	.	.										1.0	4.0
ENE	.	.										1.0	4.0
E	.	.										1.0	4.0
ESE	.	.										1.0	4.0
SE	.	.										1.0	4.0
SSE	.	.										1.0	4.0
S	.	.										1.0	4.0
SSW	.	.										1.0	4.0
SW	.	.										1.0	4.0
WSW	.	.	.									1.0	4.0
W	.	.	.									1.0	4.0
WNW	.	.	.									1.0	4.0
NW	.	.										1.0	4.0
NNW	.	.										1.0	4.0
VARBL												1.0	4.0
CALM												1.0	4.0
	.	.	.	.	.	.	.	.	.	.	.	1.0	4.0

TOTAL NUMBER OF OBSERVATIONS



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.								7.4	2.1
NNE	.	.										1.2	2.1
NE	.											.1	2.1
ENE													
E	.	.										.3	3.3
ESE	.											.3	1.7
SE	.		.									.2	3.
SSE	.	.										.	3.1
S	.	.										1.7	3.1
SSW	.	.	.									1.5	3.
SW	.	.	.	.	.							1.2	3.
WSW	.	.	.	.								1.7	3.
W	.	.	.	.								7.3	3.
WNW	.	.	.	.								1.9	3.1
NW	.	.	.	.1								1.1	3.4
NNW	.	.	.	.								1.	3.1
VARBL												1.	
CALM												1.	
	1.2	4.	1.1	1.1	.1							12.1	3.7

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.								1.0	1.0
NNE													
NE													
ENE													
E	.	.										2.0	2.0
ESE													
SE		.										1.0	1.0
SSE	.											1.0	1.0
S	.	.										2.0	2.0
SSW	.	.	.	.								1.0	1.0
SW	.	.	.	.								1.0	1.0
WSW	.	.	.	.								1.0	1.0
W	.	.	.	.	.							4.0	4.0
WNW	.	.	.	.								1.0	1.0
NW	.	.	.	.								1.0	1.0
NNW	.	.	.	.								1.0	1.0
VARBL												1.0	1.0
CALM												1.0	1.0
	.	1.0	1.0	1.0	1.0							1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.								.	.
NNE													
NE													
ENE													
E	.	.										.	.
ESE													
SE		.										.	.
SSE	.											.	.
S	.	.										.	.
SSW	.	.										.	.
SW	.	.	.	.								.	.
WSW	.	.	.	.	.							.	.
W	.	.	.	.	.							.	.
WNW	.	.	.	.	.							.	.
NW	.	.	.									.	.
NNW	.	.										.	.
VARBL													
CALM												.	.
	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WIND

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEA WIN SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

AD-A110 046 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NORTON AFB, CALIFORNIA REVISED UNIFORM SUMMARY OF SURFACE WEATH--ETC(U)  
SEP 81  
UNCLASSIFIED USAFETAC/DS-81/089 SBI-AD-8850 11A NL

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NORTON AFB, CALIFORNIA REVISED UNIFORM SUMMARY OF SURFACE WEATH--ETC(U)  
SEP 81  
USAFETAC/DS-81/089 SRI-AD-5850 110

UNCLASSIFIED

SBI-AD-E850 11A

NL

2. **4**  
 2. **4**





# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	DATE	YEAR	JUL
	ALL WEATHER			MONTH
	CLASS			1977
	CONDITION			HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.										.1	4.
NNE	.											.1	2.
NE	.	.										.2	3.5
ENE	.											.8	2.
E	.											1.2	1.9
ESE	.											.7	1.7
SE	.											1.4	1.1
SSE	.											.8	1.8
S	.											.3	1.3
SSW	.											.4	1.2
SW	.	.										1.6	2.1
WSW	.	.	.1									4.9	2.7
W	.	1.										8.7	2.7
WNW	.											.3	1.7
NW		.										.1	4.
NNW	.											.1	2.
VARBL													
CALM												71.6	
	.4	2.1	.1									111.2	.5

TOTAL NUMBER OF OBSERVATIONS 97

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	JUL
			MONTH
	ALL-WEATHER		3.1 - 5
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.1	2.
NNE	.											.3	2.
NE	.	.										.9	2.1
ENE	.	.										1.8	2.
E	.	.										.9	2.4
ESE	.	.										1.9	1.7
SE	.											1.7	1.9
SSE	.											.6	1.7
S	.											.5	2.2
SSW	.											.6	1.7
SW	.											.9	2.
WSW	.	.										.2	1.
W	.	.										1.3	3.2
WNW			.									.1	7.
NW	.											.1	1.
NNW													
VARBL													
CALM												10.8	
	1.	1.2	.1									17.1	.2

TOTAL NUMBER OF OBSERVATIONS 27

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	JUL MONTH
	ALL WATERS		6.7 - 8.7
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	.6	1.8
NNE	.	.	.	.	.	.	.	.	.	.	.	.8	2.7
NE	.	.	.	.	.	.	.	.	.	.	.	.6	2.7
ENE	.	.	.	.	.	.	.	.	.	.	.	.6	3.3
E	.	.	.	.	.	.	.	.	.	.	.	1.2	2.2
ESE	.	.	.	.	.	.	.	.	.	.	.	1.1	2.5
SE	.	.	.	.	.	.	.	.	.	.	.	1.4	2.
SSE	.	.	.	.	.	.	.	.	.	.	.	.1	1.
S	.	.	.	.	.	.	.	.	.	.	.	.2	1.6
SSW	.	.	.	.	.	.	.	.	.	.	.	.4	1.8
SW	.	.	.	.	.	.	.	.	.	.	.	1.8	2.1
WSW	.	.	.	.	.	.	.	.	.	.	.	2.7	2.6
W	.	.	.	.	.	.	.	.	.	.	.	4.2	2.8
WNW	.	.	.	.	.	.	.	.	.	.	.	1.8	2.8
NW	.	.	.	.	.	.	.	.	.	.	.	1.1	2.7
NNW	.	.	.	.	.	.	.	.	.	.	.	.6	2.3
VARBL	.	.	.	.	.	.	.	.	.	.	.	.	.
CALM	.	.	.	.	.	.	.	.	.	.	.	63.5	.
	.	2.7	.	.	.	.	.	.	.	.	.	100.0	.4

TOTAL NUMBER OF OBSERVATIONS 23

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	JUL MONTH
	ALL CATHER		9.00 - 1.00
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.										1.9	2.0
NNE	.	.										.3	2.2
NE	.											.1	2.
ENE													
E	.											.3	1.7
ESE	.											.1	2.7
SE	.											.1	2.
SSE	.											.4	1.8
S	.	.										1.0	2.8
SSW	.	.										2.4	2.3
SW	.	.	.6									7.7	3.0
WSW	.	1.0	1.1									12.7	3.7
W	.	1.1	1.7									24.3	3.7
WNW	.	.7	.4									1.6	3.8
NW	.	.	.2									6.3	3.4
NNW	.	.	.5									2.1	3.3
VARBL													
CALM												23.0	
	1.0	3.0	4.7									100.0	2.7

TOTAL NUMBER OF OBSERVATIONS 93

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 2-304 STATION NAME 04 YEARS 61-70, 72-73 MONTH JUL  
 CLASS ALL WEATHER MONTH 1200-1400  
 CONDITION  HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.										.3	3.3
NNE	.											.1	2.0
NE													
ENE	.											.1	3.1
E		.	.1									.2	7.1
ESE	.											.1	1.1
SE		.										.1	5.1
SSE	.											.1	2.1
S	.	.										1.0	3.4
SSW	.	3.7	.3									4.1	4.3
SW	1.7	4.7	4.7	.2								13.7	6.0
WSW	.	4.7	1.2	.6								12.2	5.7
W	.1	14.7	17.1	1.6								25.8	6.8
WNW	1.7	4.3	3.9									12.2	5.6
NW	.	2.0	.2									4.7	4.3
NNW	.3	.7	.3									1.3	4.4
VARBL													
CALM												3.1	
	1.7	43.7	31.2	2.7								110.0	6.1

TOTAL NUMBER OF OBSERVATIONS 93

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION 10-10-10-10 STATION NAME 10-10-10-10 YEARS 10-10-10-10 MONTH JUL  
 CLASS 10-10-10-10 MONTH 10-10-10-10  
 CONDITION 10-10-10-10 HOURS (L.S.T.) 10-10-10-10

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.											.1	2.0
NNE													
NE													
ENE													
E													
ESE			.									.1	5.0
SE		.										.1	4.0
SSE		.										.1	4.0
S		.	.1									.2	6.0
SSW	.	.1	.1									.0	5.7
SW	.	.1	.1	.1								.7	7.4
WSW	.1	.1	.1	.1	.1							.4	8.7
W	.1	.1	.1	.1	.1							.9	9.0
WNW	.	.1	.1	.1								.0	6.7
NW		.1	.1									.5	5.1
NNW		.1	.1									.2	5.0
VARBL													
CALM												.9	
		14.7	62.0	17.2	.1							17.0	5.8

TOTAL NUMBER OF OBSERVATIONS 93

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL FATHER	67-70, 73-74	JUL
	CLASS		1800-2400
	CONDITION		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.										.1	4.
NE													
ENE	.											.1	2.
E													
ESE													
SE													
SSE													
S													
SSW	.2		.3									.5	4.2
SW	.2	.1	1.0	.2								12.4	4.4
WSW	.	17.3	16.2	.7								42.7	5.9
W	.3	15.1	19.2	1.9								37.4	6.6
WNW		.1	.2									1.1	7.3
NW													
NNW		.										.2	4.1
VARBL													
CALM												5.5	
	.2	31.7	26.7	7.7								174.0	5.7

TOTAL NUMBER OF OBSERVATIONS 93.

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	JUL MONTH
	ALL WEATHER		1978-79
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.										.1	0.7
NNE													
NE													
ENE	.											.1	2.7
E	.											.3	1.7
ESE	.											.2	2.7
SE	.	.										1.1	2.7
SSE	.											.1	2.7
S	.	.										.5	2.5
SSW	.											.7	1.7
SW	.	.										0.1	2.7
WSW	1.7	.	.4									1.7	3.7
W	.	1.1	.2									1.5	3.7
WNW	.	.7	.1									1.1	3.7
NW	.											.4	3.7
NNW	.											.1	2.7
VARBL													
CALM												5.0	
	1.2	1.7	1.2									19.7	1.2

TOTAL NUMBER OF OBSERVATIONS 93



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

JUL  
MONTH

ALL WEATHER

CLASS

ALL

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.										.9	2.3
NNE	.	.										.1	2.7
NE	.	.										.3	2.3
ENE	.	.										.4	2.7
E	.	.	.									.5	2.3
ESE	.	.	.									.5	2.1
SE	.	.										.7	2.
SSE	.	.										.5	1.5
S	.	.	.									.8	2.3
SSW	.	.	.									1.2	3.7
SW	.	.	.	.1								6.6	4.3
WSW	.	.	.5	.1	.							17.7	5.3
W	.	7.5	3.4	1.5								27.1	6.7
WNW	.	1.	.5	.1								4.4	4.1
NW	.	.	.1									1.7	2.7
NNW	.	.	.1									.7	3.3
VARBL													
CALM												41.7	
	1.4	1.5	17.1	1.7	.1							17.0	3.0

TOTAL NUMBER OF OBSERVATIONS

744

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		0000-2400
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.										.2	1.1
NNE												.1	1.0
NE	.	.										1.1	3.0
ENE	.	.										1.1	2.0
E	.	.										1.1	2.0
ESE	.	.										1.1	2.1
SE	.	.										1.1	2.0
SSE	.	.										.3	2.2
S	.	.		.1								.6	3.5
SSW	.	.										.6	2.0
SW	.	.										1.6	2.4
WSW	.	1.0										4.3	2.0
W	.	1.0										1.3	2.0
WNW	.	.										.3	4.3
NW	.	.	.1									.3	4.3
NNW													
VARBL													
CALM												79.0	
	10.0	4.3	.1	.1								100.0	.5

TOTAL NUMBER OF OBSERVATIONS 53

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS [L.S.T.]

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.										.1	1.
NNE	.	.										.4	0.
NE	.	.										.7	2.
ENE	.	.										1.7	3.
E	.	.										.3	2.
ESE	.	.										.1	2.
SE	.											.1	1.
SSE	.											.1	1.
S	.											.3	2.
SSW	.	.										1.1	2.
SW	.	.										.7	2.
WSW	.	.										2.6	2.
W	.	.										.3	2.
WNW	.	.										.1	2.
NW													
NNW		.										.1	1.
VARBL													
CALM												1.3	
	.	1.										1.0	.1

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.										0.0	0.0
NNE	.	.										0.0	0.0
NE	.											0.0	0.0
ENE	.	.										0.0	0.0
E	.	.										0.0	0.0
ESE	.	.										0.0	0.0
SE	.											0.0	0.0
SSE	.											0.0	0.0
S	.											0.0	0.0
SSW	.	.										0.0	0.0
SW	.	.										0.0	0.0
WSW	.	.	.									0.0	0.0
W	.	.	.									0.0	0.0
WNW	.	.	.									0.0	0.0
NW	.											0.0	0.0
NNW	.											0.0	0.0
VARBL												0.0	0.0
CALM												0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.									1.7	2.4
NNE	.											.1	1.0
NE	.											.1	1.0
ENE													
E	.											.7	2.4
ESE	.	.										.8	2.8
SE	.	.										.1	3.1
SSE	.	.										.5	4.0
S	.	.	.									1.4	2.3
SSW	.	.	.									.3	2.7
SW	.	.	.	.								.4	3.4
WSW	.	.	1.	.								10.2	4.0
W	.	.	1.									11.0	3.7
WNW	.	.	.									13.1	3.4
NW	.	.	.									.1	4.1
NNW	.	.										3.0	2.0
VARBL													
CALM												.1	
	.	.	4	1								10.1	2.1

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

ALL DATA

CLASS

19 14

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.										.1	4.0
NNE		.										.1	4.0
NE													
ENE		.										.2	4.0
E	.				.							.1	3.0
ESE	.		.									.2	7.0
SE	.	.	.	.								.4	7.0
SSE	.	.										.4	3.0
S	.	.	.									.1	4.0
SSW	.	.	.									.4	3.0
SW	.	.	.	.								1.7	3.0
WSW	.	.	.	.	.							2.0	3.0
W	.	1.0	17.0	1.7								30.0	3.7
WNW	.	.	2.0	.7								1.0	3.0
NW	.	1.0	3.2	.1								3.9	3.0
NNW	.	.	.2									1.4	4.0
VARBL													
CALM												0.7	
	1.0	4.0	41.0	1.1								10.1	3.1

TOTAL NUMBER OF OBSERVATIONS

900

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE		.										.1	.
NE													
ENE			.									.1	1.
E	.											.1	2.
ESE													
SE	.			.								.2	7.
SSE	.		.									.3	7.7
S	.	.	.									.4	4.
SSW		.	.									1.3	5.1
SW		.	.	.								.9	5.
WSW	.	.	.	.								3.5	5.7
W	.	.	.	1.1	.1							47.2	9.7
WNW	.	.	.	1.1								4.7	5.9
NW	.	.	.	.1								1.0	6.3
NNW	.											.1	5.
VARBL													
CALM													
	.	17.7	24.7	1.2	.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

97

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE	.											.1	2.0
E		.										.1	4.0
ESE	.											.1	1.0
SE			.									.1	3.0
SSE		.										.1	0.0
S	.											.1	2.0
SSW	.	.	.									.0	4.5
SW	.	7.0	1.0									13.1	5.1
WSW	.	1.0	11.8	.0								13.8	5.6
W	2.0	10.0	10.0	.0								22.1	6.4
WNW	.	.0	.0				.					1.3	6.7
NW	.0		.0									.0	4.0
NNW		.0										.1	0.0
VARBL													
CALM												7.0	
	1.0	44.0	37.0	.0								12.0	5.7

TOTAL NUMBER OF OBSERVATIONS 57



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL		11 - 1951
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE		.										.1	4.
ENE													
E	.	.										.4	2.
ESE	.											.1	3.
SE	.											.6	2.
SSE	.											.4	2.
S	.	.										.4	2.3
SSW	.	.										.1	2.4
SW	.	1.										5.9	2.
WSW	.	4.	.									14.4	3.
W	.	7.	.	.1								17.3	3.4
WNW	.	.	.1									1.6	3.3
NW	.	.										.5	2.7
NNW													
VARBL													
CALM												57.5	
	1.7	12.7	1.7	.1								100.0	1.3

TOTAL NUMBER OF OBSERVATIONS 93

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION                      STATION NAME                      YEARS                      MONTH                     

CLASS                      ALL                     

CONDITION                      HOURS (L.S.T.)                     

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.									.4	2.
NNE	.	.										.2	3.
NE	.	.										.2	2.
ENE	.	.	.									.6	3.4
E	.	.										.7	2.6
ESE	.	.	.									.8	2.3
SE	.	.	.	.								.5	2.7
SSE	.	.	.									.3	2.7
S	.	.	.	.								.7	3.
SSW	.	.	.									1.4	4.1
SW	.	.	.	.								7.6	5.1
WSW	.	.	.	.								16.7	5.0
W	.	.	.	.	.							11.2	5.6
WNW	.	.	.	.	.							4.5	5.1
NW	.	.	.	.	.							1.6	4.1
NNW	.	.	.									.5	3.6
VARBL													
CALM												42.0	
	.	1.1	17.2	2.9	.							100.0	3.2

TOTAL NUMBER OF OBSERVATIONS 743

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION                      STATION NAME                      YEARS                      MONTH                     

                     CLASS                     

                     CONDITION                     

                     HOURS (L.S.T.)                     

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.		.								.4	7.
NNE	.	.		.1								.7	4.
NE	.	.	.									1.4	3.
ENE	.	.	.1									3.2	2.8
E	.	.										3.7	2.3
ESE	.	.										1.4	2.3
SE	.											.1	2.
SSE	.											.1	2.
S	.	.										.	4.
SSW	.											.7	2.
SW	.	.										1.2	2.1
WSW	.	.										1.4	2.1
W	.	.	.									.1	3.1
WNW	.	.										.1	3.1
NW	.	.										.7	4.0
NNW		.										.1	4.
VARBL													
CALM												75.7	
	.	.	.4	.2								100.0	.6

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE - INDIANAPOLIS, IN  
 10-10-54  
 AIRCRAFT - C-119A

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10-10-54 STATION NAME ALL WEATHER CLASS 6-7-8, 78- MONTH 3-7-8 HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.		.								.3	10.7
NNE	.	.		.								1.0	3.3
NE	.	.	.									2.4	4.0
ENE	.	1.										3.9	3.1
E	.	.										4.0	2.7
ESE	.	.										1.3	2.7
SE	.	.										1.1	2.3
SSE	.											.7	1.0
S	.	.										.3	2.3
SSW	.											.4	1.0
SW	.											.3	2.0
WSW	.	.	.1									1.0	3.0
W	.	.	.1									1.1	3.0
WNW	.	.										1.1	2.4
NW	.											.3	2.0
NNW													
VARBL													
CALM												75.2	
	1.0	5.0	.4	.4								100.0	.7

TOTAL NUMBER OF OBSERVATIONS 91

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	.9	3.6
NNE	.	.	.	.	.	.	.	.	.	.	.	.7	3.6
NE	.	.	.	.	.	.	.	.	.	.	.	1.7	2.7
ENE	.	.	.	.	.	.	.	.	.	.	.	3.9	2.7
E	.	.	.	.	.	.	.	.	.	.	.	5.9	2.7
ESE	.	.	.	.	.	.	.	.	.	.	.	1.1	1.9
SE	.	.	.	.	.	.	.	.	.	.	.	1.	2.4
SSE	.	.	.	.	.	.	.	.	.	.	.	.	3.3
S	.	.	.	.	.	.	.	.	.	.	.	.7	2.7
SSW	.	.	.	.	.	.	.	.	.	.	.	.7	2.3
SW	.	.	.	.	.	.	.	.	.	.	.	.9	2.3
WSW	.	.	.	.	.	.	.	.	.	.	.	3.9	3.
W	.	.	.	.	.	.	.	.	.	.	.	4.1	3.1
WNW	.	.	.	.	.	.	.	.	.	.	.	.1	3.1
NW	.	.	.	.	.	.	.	.	.	.	.	.9	1.1
NNW	.	.	.	.	.	.	.	.	.	.	.	.7	3.3
VARBL	.	.	.	.	.	.	.	.	.	.	.	.	.
CALM	.	.	.	.	.	.	.	.	.	.	.	76.3	.
	.	.	.	.	.	.	.	.	.	.	.	100.0	.7

TOTAL NUMBER OF OBSERVATIONS

U.S. AIR FORCE  
 WIND DATA  
 FORM 0-8-5 (OL-A)

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION                      STATION NAME                      YEARS                      MONTH                       
 CLASS ALL WEATHER  
 CONDITION                       
 HOURS (L.S.T.)                     

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.		.7	.1							1.7	5.7
NNE	.		.1	.1								.7	5.7
NE	.	.										.3	5.7
ENE													
E	.	.										.4	5.7
ESE	.	.										.4	5.7
SE	.	.										.3	5.7
SSE	.	.										.1	5.7
S	.	.										1.1	2.3
SSW	.	.	.									2.4	3.7
SW	.	.	.									3.1	3.4
WSW	.	.	.									11.2	2.4
W	.	.	.									21.1	3.4
WNW	.	.	.									8.7	3.4
NW	.	.	.									4.4	2.7
NNW	.	.	.									1.2	3.7
VARBL													
CALM												37.4	
	5.4	2.7	2.4	.7	.1							113.7	2.1

TOTAL NUMBER OF OBSERVATIONS 90

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		12 - 14
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN- WIND SPEED
N	.	1.	.7	.7	.7							7.1	7.3
NNE	.	.		.7								.5	5.3
NE	.		.1									.2	3.3
ENE		.										.1	6.
E	.	.			.7							.4	7.2
ESE	.	.7	.1									.7	4.4
SE	.											.1	2.
SSE	.	.	.7									.7	4.7
S	.1	1.	.7	.1								3.1	4.3
SSW	.	1.7	1.									1.4	3.2
SW	.7	1.7	4.7	.2								11.9	5.9
WSW	.7	11.	.7	1.1								13.8	5.4
W	4.7	11.7	11.9	.9								27.6	6.2
WNW	.	.	2.6	.7								3.4	5.7
NW	.7	2.7	.7									3.7	4.3
NNW	.9	1.7		.1								1.1	4.6
VARBL													
CALM												5.1	
	1.4	43.1	37.9	7.2	.4							100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 971

RECEIVED TELETYPE UNIT  
 10-10-64  
 10-10-64

PERCENTAGE FREQUENCY OF WIND  
 DIRECTION AND SPEED  
 (FROM HOURLY OBSERVATIONS)

SURFACE WINDS

STATION 10-10-64 STATION NAME 10-10-64 YEARS 10-10-64 MONTH 10-10-64  
 CLASS ALL WEATHER  
 CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1	.1								1.7	1.8
NNE		.1	.1	.1								.3	11.3
NE	.1											.1	2.1
ENE													
E	.1	.1	.1	.1								.2	5.4
ESE		.1										.2	4.3
SE		.1	.1									.1	3.8
SSE	.1	.1	.1									.1	4.3
S		.1	.1	.1	.1	.1						1.1	10.3
SSW	.1	.1	.1	.1								.4	6.1
SW	.1	.1	.1	.1								1.1	6.9
WSW		.1	.1	.1	.1							1.1	7.7
W	.1	.1	.1	.1	.1							1.1	3.7
WNW	.1	.1	.1	.1	.1							.1	5.1
NW	.1	.1	.1									1.1	5.1
NNW	.1	.1	.1									.7	4.5
VARBL													
CALM												2.8	
	.1	27.1	51.2	11.9	.3	.1						100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 900



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													12.0
NNE													2.0
NE													3.0
ENE													3.1
E													2.7
ESE													2.8
SE													3.0
SSE													2.3
S													3.0
SSW													3.0
SW													4.0
WSW													4.0
W													2.0
WNW													2.7
NW													2.0
NNW													2.0
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		11 - 63
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N		.	.									.2	7.0
NNE		.	.	.								.2	4.0
NE	.	.										.9	2.0
ENE	.	.										.1	2.0
E	.	.										.1	2.0
ESE	.	.										.3	2.2
SE	.	.	.									.4	2.4
SSE	.	.										.	2.4
S	.	.										.4	3.0
SSW	.	.										.4	1.0
SW	.	.										.4	2.0
WSW	.	.	.									.0	2.0
W	.	.	.	.								1.2	3.4
WNW	.	.	.									.3	2.0
NW	.	.										.0	4.0
NNW	.	.										.3	4.0
VARBL													
CALM												6.7	
	1.0	13.0	1.0	.0								10.0	1.0

TOTAL NUMBER OF OBSERVATIONS 7

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		ALL
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.							1.2	7.4
NNE	.	.	.	.								.7	7.
NE	.	.	.									.3	3.
ENE	.	.	.									1.5	2.
E	.	.	.	.	.							1.7	3.
ESE	.	.	.									.9	2.7
SE	.	.	.									1.1	2.7
SSE	.	.	.									.3	3.1
S	.	.	.	.	.	.						1.1	4.7
SSW	.	.	.	.	.							1.3	4.4
SW	.	4.	4.	.								6.3	4.
WSW	.	4.	4.	.	.							12.4	5.6
W	.	7.	.	.	.							10.7	5.7
WNW	.	1.	.	1.								7.7	4.7
NW	.	.	.									1.3	3.
NNW	.	.	.	.								.6	4.
VARBL													
CALM												44.5	
	.	.	10.	.2	.1	.						11.1	6.

TOTAL NUMBER OF OBSERVATIONS 77

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL	AT	
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.								1.2	1.1
NNE	.	.	.									1.1	1.1
NE	.	.	.									3.4	1.7
ENE	.	.	.									7.2	2.0
E	.	.	.									7.4	2.1
ESE	.	.	.	.								4.4	2.4
SE	.	.	.									3.7	2.3
SSE	.	.	.									.7	1.7
S	.	.	.									.4	2.0
SSW	.	.	.									.1	2.3
SW	.	.	.									.3	2.0
WSW	.	.	.									1.7	3.1
W	.	.	.									1.3	2.5
WNW	.	.	.									.1	2.0
NW		.	.	.	.							.3	1.7
NNW			.	.	.							.1	1.0
VARBL													
CALM												4.4	
	1.4	.7	1.2	.7								1.7	1.1

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL DATA		
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.7	.3	.1							1.4	0.3
NNE	.	.7	.2	.1								1.3	4.6
NE	.	1.	.7									5.6	3.1
ENE	.7	2.7										5.7	3.1
E	.	.	.7									5.1	2.8
ESE	.1	.										5.9	2.8
SE	.7	.1										7.5	2.8
SSE	.											1.4	1.6
S	.											.4	1.3
SSW	.											.1	1.7
SW	.	.	.1									3.1	3.7
WSW	.											.4	2.1
W	.	.										1.3	2.7
WNW	.	.1										.4	3.6
NW	.				.1							.3	7.3
NNW	.			.7								.4	7.3
VARBL													
CALM												61.7	
	.3	5.6	1.7	.6	.7							117.3	1.7

TOTAL NUMBER OF OBSERVATIONS 73

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.							1.7	5.3
NNE	.	.	.	.	.							2.6	5.7
NE	.	.	.	.	.							4.0	5.1
ENE	.	.	.	.	.							6.9	3.2
E	.	.	.	.	.							7.7	2.9
ESE	.	.	.	.	.							1.1	2.9
SE	.	.	.	.	.							7.5	2.8
SSE	.	.	.	.	.							.2	2.3
S	.	.	.	.	.							1.	1.7
SSW	.	.	.	.	.							.9	1.7
SW	.	.	.	.	.							.7	2.8
WSW	.	.	.	.	.							1.8	3.7
W	.	.	.	.	.							1.5	3.7
WNW	.	.	.	.	.							.7	3.
NW	.	.	.	.	.							.5	5.1
NNW	.	.	.	.	.							.5	5.7
VARBL													
CALM												10.6	
	.	.7	2.3	1.4	.1							17.8	1.8

TOTAL NUMBER OF OBSERVATIONS 73

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL		19
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.1	.1	.1	.1	.1	.1						3.6	3.4
NNE	.1	.1	.1	.1	.1							3.7	3.7
NE	.1	.1		.1								1.4	3.1
ENE	.1	.1										1.0	2.4
E	.1	.1	.1									1.4	3.1
ESE	.1	.1										.9	2.6
SE	.1	.1										.2	3.1
SSE	.1											.4	1.1
S	.1	.1										.4	1.2
SSW	.1	.1	.1									.2	2.1
SW	.1	.1	.1									.4	3.1
WSW	.1	.1	.1									.0	.7
W	.1	.1	.1									13.4	3.4
WNW	.1	.1	.1									4.9	2.3
NW	.1	.1	.1	.1								.1	3.4
NNW	.1	.1	.1	.1								.9	4.3
VARBL													
CALM												47.3	
	31.1	14.7	1.2	3.7	.3	.1						11.0	2.1

TOTAL NUMBER OF OBSERVATIONS 23

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL WEATHER		1957-1957
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0	10.0
NNE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.0
NE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	4.0
ENE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.0
E	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	3.0
ESE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
SE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	2.0
SSE	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5	0.0
S	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0
SSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
SW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0
WSW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.7	0.0
W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	4.0
WNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	4.0
NW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	4.0
NNW	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.2	0.0
VARBL													
CALM												10.1	
	1.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	10.1	4.7

TOTAL NUMBER OF OBSERVATIONS 100



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

ALL STATIONS

CLASS

1700-1700

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	1.0	.							4.5	4.9
NNE	.	.	.	.	.							2.2	1.0
NE	.	.	.	1								1.2	5.1
ENE	.	.										.3	3.0
E	.	.										.3	3.3
ESE	.	.	.									.1	3.6
SE	.	.	.									1.3	4.7
SSE	.	.	.									1.2	.
S	.	.	.									1.2	4.8
SSW	.	.	.	.								.7	6.1
SW	.	.	.	.								.7	6.4
WSW	.	1.0	.	1								1.5	6.8
W	.	1.0	.	1.0	.							1.2	6.8
WNW	.	.	.	1								1.8	1.0
NW	.	1.0	1.0									3.0	6.0
NNW	.	1.0	1.0	.1								3.4	7.0
VARIABLE													
CALM												7.3	
	.	1.0	51.6	1.3	.							11.0	5.5

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	1.4	1.0
NNE	.	.	.	.	.	.	.	.	.	.	.	2.4	2.0
NE	.	.	.	.	.	.	.	.	.	.	.	3.4	3.0
ENE	.	.	.	.	.	.	.	.	.	.	.	1.7	1.5
E	.	.	.	.	.	.	.	.	.	.	.	2.6	2.0
ESE	.	.	.	.	.	.	.	.	.	.	.	2.4	2.0
SE	.	.	.	.	.	.	.	.	.	.	.	.9	2.0
SSE	.	.	.	.	.	.	.	.	.	.	.	1.1	2.0
S	.	.	.	.	.	.	.	.	.	.	.	1.2	2.0
SSW	.	.	.	.	.	.	.	.	.	.	.	1.3	2.4
SW	.	.	.	.	.	.	.	.	.	.	.	0.9	3.0
WSW	.	.	.	.	.	.	.	.	.	.	.	1.1	4.0
W	.	.	.	.	.	.	.	.	.	.	.	1.4	4.0
WNW	.	.	.	.	.	.	.	.	.	.	.	.0	4.1
NW	.	.	.	.	.	.	.	.	.	.	.	.4	4.0
NNW	.	.	.	.	.	.	.	.	.	.	.	.1	5.0
VARBL													
CALM												36.2	
	.	2.2	2.6	.3								10.0	2.0

TOTAL NUMBER OF OBSERVATIONS 97

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

1 - 5

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.								.7	1.0
NNE	.	.	.	.								1.4	0.7
NE	.	.	.	.								1.4	0.7
ENE	.	.	.	.								4.4	0.7
E	.	.	.	.								1.1	2.0
ESE	.	.	.	.								1.6	2.0
SE	.	.	.	.								5.1	2.7
SSE	.	.	.	.								1.1	2.0
S	.	.	.	.								.5	2.4
SSW	.	.	.	.								1.1	2.7
SW	.	.	.	.								1.2	2.0
WSW	.	1.0	.	.								3.0	3.0
W	.	.	.	.								0.7	3.0
WNW	.	.	.	.								1.1	3.0
NW	.	.	.	.								.2	3.0
NNW	.	.	.	.								.2	3.0
VARBL													
CALM												12.5	
	0.7	0.0	1.1	0.7								10.0	1.1

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-B-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		ALL
	CONDITION		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.						2.5	3.7
NNE	.	.	.	.	.	.						2.7	3.7
NE	.	.	.	.	.							3.5	3.7
ENE	.	.	.									3.6	3.1
E	.	.	.									4.4	3.6
ESE	.	.	.									3.8	3.6
SE	.	.	.									5.1	2.8
SSE	.	.	.									1.7	2.7
S	.	.	.									1.1	3.3
SSW	.	.	.	.								1.2	3.4
SW	.	.	.	.								4.2	4.7
WSW	.	.	.	.								9.8	4.4
W	.	.	.	.	.							12.7	4.7
WNW	.	.	.	.	.							3.6	3.6
NW	.	.	.	.	.							1.7	4.7
NNW	.	.	.	.	.	.						1.4	3.7
VARBL													
CALM												43.9	
	.	1.7	7.7	1.2	.4	.1						178.1	2.8

TOTAL NUMBER OF OBSERVATIONS 7476

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION                      STATION NAME                      YEARS                      MONTH                     

CLASS                     

CONDITION                     

HOURS (L.S.T.)                     

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
NNE	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
NE	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
ENE	.	.	.	.	.	.	.	.	.	.	.	1.7	3.4
E	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
ESE	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
SE	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
SSE	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
S	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
SSW	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
SW	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
WSW	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
W	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
WNW	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
NW	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
NNW	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
VARBL	.	.	.	.	.	.	.	.	.	.	.	1.7	3.1
CALM	.	.	.	.	.	.	.	.	.	.	.	46.0	
	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	17.0	3.1

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	1.4	9.7
NNE	.	.	.	.	.	.	.	.	.	.	.	4.1	3.7
NE	.	.	.	.	.	.	.	.	.	.	.	11.1	3.1
ENE	.	.	.	.	.	.	.	.	.	.	.	11.5	2.9
E	.	.	.	.	.	.	.	.	.	.	.	7.5	1.6
ESE	.	.	.	.	.	.	.	.	.	.	.	4.1	2.7
SE	.	.	.	.	.	.	.	.	.	.	.	1.7	2.7
SSE	.	.	.	.	.	.	.	.	.	.	.	.6	2.7
S	.	.	.	.	.	.	.	.	.	.	.	.4	3.0
SSW	.	.	.	.	.	.	.	.	.	.	.	.6	3.2
SW	.	.	.	.	.	.	.	.	.	.	.	.7	3.0
WSW	.	.	.	.	.	.	.	.	.	.	.	.4	1.6
W	.	.	.	.	.	.	.	.	.	.	.	.4	1.6
WNW	.	.	.	.	.	.	.	.	.	.	.	.4	1.6
NW	.	.	.	.	.	.	.	.	.	.	.	.6	1.6
NNW	.	.	.	.	.	.	.	.	.	.	.	.6	7.6
VARBL	.	.	.	.	.	.	.	.	.	.	.		
CALM	.	.	.	.	.	.	.	.	.	.	.	47.0	
	.	1.0	2.1	1.4	.6	.7	.	.	.	.	.	1.0	2.1

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.						1.0	1.0
NNE	.	.		.	.							1.0	1.0
NE	.	.		.	.							1.0	1.0
ENE	.	.	.									1.0	1.0
E	.	.	.									1.0	1.0
ESE	.	.	.									1.0	1.0
SE	.	.			.							1.0	1.0
SSE	.	.			.							1.0	1.0
S	.	.	.									1.0	1.0
SSW	.	.										1.0	1.0
SW	.	.	.									1.0	1.0
WSW	.	.	.									1.0	1.0
W	.	.	.									1.0	1.0
WNW	.	.		.								1.0	1.0
NW	.	.		.								1.0	1.0
NNW	.	.	.	.		.						1.0	1.0
VARBL												1.0	1.0
CALM												1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	.	.
NNE	.	.	.	.	.	.	.	.	.	.	.	.	.
NE	.	.	.	.	.	.	.	.	.	.	.	.	.
ENE	.	.	.	.	.	.	.	.	.	.	.	.	.
E	.	.	.	.	.	.	.	.	.	.	.	.	.
ESE	.	.	.	.	.	.	.	.	.	.	.	.	.
SE	.	.	.	.	.	.	.	.	.	.	.	.	.
SSE	.	.	.	.	.	.	.	.	.	.	.	.	.
S	.	.	.	.	.	.	.	.	.	.	.	.	.
SSW	.	.	.	.	.	.	.	.	.	.	.	.	.
SW	.	.	.	.	.	.	.	.	.	.	.	.	.
WSW	.	.	.	.	.	.	.	.	.	.	.	.	.
W	.	.	.	.	.	.	.	.	.	.	.	.	.
WNW	.	.	.	.	.	.	.	.	.	.	.	.	.
NW	.	.	.	.	.	.	.	.	.	.	.	.	.
NNW	.	.	.	.	.	.	.	.	.	.	.	.	.
VARBL	.	.	.	.	.	.	.	.	.	.	.	.	.
CALM	.	.	.	.	.	.	.	.	.	.	.	.	.
	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
NNE	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
NE	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
ENE	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
E	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
ESE	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
SE	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
SSE	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
S	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
SSW	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
SW	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
WSW	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
W	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
WNW	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
NW	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
NNW	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
VARBL	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
CALM	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0
	.	.	.	.	.	.	.	.	.	.	.	5.0	4.0

TOTAL NUMBER OF OBSERVATIONS

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	1.0	.	.						5.0	3.0
NNE	.	.	.	1.0	.		.					5.0	10.7
NE	.	.	.	.	.							5.7	9.0
ENE	.	.	.	1.7								1.6	4.0
E	.	.	.									1.6	3.0
ESE	.	.	.									1.7	4.0
SE	.	.	.									1.1	3.0
SSE	.	.	.									1.0	4.0
S	.	.	.	1.0								1.0	4.4
SSW	.	.	.									1.0	3.0
SW	.	1.0	.	1.7								7.0	3.0
WSW	.	.	1.0	1.0								1.4	4.0
W	.	1.0	1.0	1.0								19.3	5.0
WNW	.	1.0	1.0	1.0								5.1	1.0
NW	.	1.0	1.0	1.0								4.3	5.0
NNW	.	1.0	1.0	1.0	1.0							7.0	7.0
VARBL													
CALM												17.0	
	1.0	10.7	17.1	1.0	1.0	1.0	1.0					1.0	4.0

TOTAL NUMBER OF OBSERVATIONS

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
NNE	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
NE	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
ENE	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
E	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
ESE	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
SE	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
SSE	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
S	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
SSW	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
SW	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
WSW	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
W	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
WNW	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
NW	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
NNW	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
VARBL	.	.	.	.	.	.	.	.	.	.	.	0.0	0.
CALM	.	.	.	.	.	.	.	.	.	.	.	0.0	0.

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	1.3	1.0
NNE	.	.	.	.	.	.	.	.	.	.	.	3.1	1.0
NE	.	.	.	.	.	.	.	.	.	.	.	4.7	1.0
ENE	.	.	.	.	.	.	.	.	.	.	.	7.7	1.0
E	.	.	.	.	.	.	.	.	.	.	.	11.2	1.0
ESE	.	.	.	.	.	.	.	.	.	.	.	14.3	2.7
SE	.	.	.	.	.	.	.	.	.	.	.	17.7	3.0
SSE	.	.	.	.	.	.	.	.	.	.	.	21.2	3.0
S	.	.	.	.	.	.	.	.	.	.	.	24.6	3.4
SSW	.	.	.	.	.	.	.	.	.	.	.	28.1	3.0
SW	.	.	.	.	.	.	.	.	.	.	.	31.6	4.0
WSW	.	.	.	.	.	.	.	.	.	.	.	35.1	4.0
W	.	.	.	.	.	.	.	.	.	.	.	38.6	4.0
WNW	.	.	.	.	.	.	.	.	.	.	.	42.1	5.0
NW	.	.	.	.	.	.	.	.	.	.	.	45.6	12.0
NNW	.	.	.	.	.	.	.	.	.	.	.	49.1	2.0
VARBL	.	.	.	.	.	.	.	.	.	.	.	52.6	3.0
CALM	.	.	.	.	.	.	.	.	.	.	.	56.1	1.0

TOTAL NUMBER OF OBSERVATIONS

# **SURFACE WINDS**

## **PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)**

STATION

STATION NAME

YEARS

MONTH

CLASS

ALL

CONDITION

HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	3.5	1.1
NNE	.	.	.	.	.	.	.	.	.	.	.	3.8	1.2
NE	.	.	.	.	.	.	.	.	.	.	.	4.0	1.3
ENE	.	.	.	.	.	.	.	.	.	.	.	6.8	3.6
E	.	.	.	.	.	.	.	.	.	.	.	7.9	3.1
ESE	.	.	.	.	.	.	.	.	.	.	.	4.7	2.9
SE	.	.	.	.	.	.	.	.	.	.	.	7.9	3.0
SSE	.	.	.	.	.	.	.	.	.	.	.	6.7	3.7
S	.	.	.	.	.	.	.	.	.	.	.	1.5	4.0
SSW	.	.	.	.	.	.	.	.	.	.	.	1.6	3.6
SW	.	.	.	.	.	.	.	.	.	.	.	1.9	4.0
WSW	.	.	.	.	.	.	.	.	.	.	.	4.7	4.6
W	.	.	.	.	.	.	.	.	.	.	.	6.4	4.7
WNW	.	.	.	.	.	.	.	.	.	.	.	2.0	4.4
NW	.	.	.	.	.	.	.	.	.	.	.	2.3	5.0
NNW	.	.	.	.	.	.	.	.	.	.	.	2.2	7.4
VARBL													
CALM												39.7	
	.	1.0	1.0	1.1	.7	.3	.2					100.0	2.0

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 36	%	MEAN WIND SPEED
N	.	.	.	.1		.						1.0	7.4
NNE	.	.	.	.1			.					2.0	6.0
NE	.	.4	.1									5.2	3.0
ENE	.	.1	.	.1								1.2	4.0
E	.	.2	.	.1								13.9	3.0
ESE	.	.1	.									6.3	2.0
SE	.	.	.									4.1	3.1
SSE	.	.		.1								1.2	4.0
S	.	.										1.0	3.0
SSW	.	.										.3	3.7
SW	.											.3	1.7
WSW	.	.1	.1									.5	3.1
W	.	.	.1									.0	1.0
WNW	.											.4	2.0
NW	.	.1										.3	2.3
NNW		.1	.1									.2	7.0
VARBL													
CALM												42.4	
	.	4.4	1.7	1.4		.1	.1					10.0	2.0

TOTAL NUMBER OF OBSERVATIONS 43

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.							2.4	1.7
NNE	.	.	.	.	.							2.4	1.7
NE	.	.	.	.	.							4.5	4.0
ENE	.	.	.	.	.							13.3	4.0
E	.	.	.	.	.							13.9	5.1
ESE	.	.	.	.	.							7.1	3.1
SE	.	.	.	.	.							4.7	3.0
SSE	.	.	.	.	.							3.9	2.1
S	.	.	.	.	.							4.4	2.0
SSW	.	.	.	.	.							4.4	3.0
SW	.	.	.	.	.							4.4	4.0
WSW	.	.	.	.	.							3.3	3.7
W	.	.	.	.	.							3.3	3.0
WNW	.	.	.	.	.							3.1	3.0
NW	.	.	.	.	.							2.1	1.0
NNW	.	.	.	.	.							2.0	1.0
VARBL													
CALM												47.9	
												100.0	2.2

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	ALL DATA		5 - 10
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.0	.0	.0	.0	.0							0.0	0.0
NNE	.0	1.0	.0	.0	.0	.0						4.0	0.0
NE	.0	.0	.0									0.1	0.0
ENE	.0	.0	.0	.1								17.7	0.0
E	.0	.0	.0									1.0	0.0
ESE	.0	.0	.0									0.0	0.0
SE	.0	.0										0.0	0.0
SSE	.0	.0		.1								.0	4.0
S	.0		.0									.0	0.0
SSW				.1								.0	0.0
SW	.0	.0										.4	0.0
WSW	.0	.0										.0	0.0
W	.0		.0									.0	4.0
WNW	.0	.0										.0	0.0
NW	.0	.0										.4	0.0
NNW	.0	.0	.0	.4	.1							1.0	0.0
VARBL													
CALM												42.0	
	.0	1.0	0.0	.4	.3	.1						10.0	0.0

TOTAL NUMBER OF OBSERVATIONS 90



# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	4.5	1.5
NNE	.	.	.	.	.	.	.	.	.	.	.	4.5	3.5
NE	.	.	.	.	.	.	.	.	.	.	.	4.1	3.5
ENE	.	.	.	.	.	.	.	.	.	.	.	4.4	3.5
E	.	.	.	.	.	.	.	.	.	.	.	4.2	2.5
ESE	.	.	.	.	.	.	.	.	.	.	.	4.5	2.5
SE	.	.	.	.	.	.	.	.	.	.	.	4.5	3.5
SSE	.	.	.	.	.	.	.	.	.	.	.	4.5	3.5
S	.	.	.	.	.	.	.	.	.	.	.	4.7	3.5
SSW	.	.	.	.	.	.	.	.	.	.	.	4.1	4.5
SW	.	.	.	.	.	.	.	.	.	.	.	4.5	3.5
WSW	.	.	.	.	.	.	.	.	.	.	.	4.2	3.5
W	.	.	.	.	.	.	.	.	.	.	.	4.5	3.5
WNW	.	.	.	.	.	.	.	.	.	.	.	4.4	3.5
NW	.	.	.	.	.	.	.	.	.	.	.	4.7	4.5
NNW	.	.	.	.	.	.	.	.	.	.	.	4.5	4.5
VARBL	.	.	.	.	.	.	.	.	.	.	.	4.5	4.5
CALM	.	.	.	.	.	.	.	.	.	.	.	4.5	4.5

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

- 71,72 -

YEARS

MONTH

ALL DATA

11 - 14

CLASS

HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	1.4	1.0	.	.					7.8	11.5
NNE	.	.	.	.	.	.	.					3.7	10.0
NE	.	.	.	.	.	.	.					1.9	8.0
ENE	.	.	.									1.1	8.1
E	.	.	.									1.9	8.5
ESE	.	.	.									1.4	8.1
SE	.	.	.									1.7	8.0
SSE	.	.	.									.	4.3
S	.	.	.									1.8	8.3
SSW	.	1.0	.									1.3	8.7
SW	.	.	1.4									1.1	8.1
WSW	.	1.0	1.0									1.2	4.1
W	.	1.7	1.6	1.1								14.5	4.1
WNW	.	1.7	1.3	1.1								1.9	8.3
NW	.	.	.	.								4.4	4.1
NNW	1.1	.	1.3	1.7	1.4							3.7	7.1
VARBL													
CALM												28.7	
	.	1.0	7.4	4.3	2.3	1.0	1.1					100.0	8.7

TOTAL NUMBER OF OBSERVATIONS

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
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# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	7.4	1.0
NNE	.	.	.	.	.	.	.	.	.	.	.	7.5	1.0
NE	.	.	.	.	.	.	.	.	.	.	.	1.5	1.0
ENE	.	.	.	.	.	.	.	.	.	.	.	1.3	4.7
E	.	.	.	.	.	.	.	.	.	.	.	1.5	3.5
ESE	.	.	.	.	.	.	.	.	.	.	.	1.5	3.3
SE	.	.	.	.	.	.	.	.	.	.	.	1.3	3.6
SSE	.	.	.	.	.	.	.	.	.	.	.	.	4.0
S	.	.	.	.	.	.	.	.	.	.	.	1.5	7.0
SSW	.	.	.	.	.	.	.	.	.	.	.	.	3.0
SW	.	.	.	.	.	.	.	.	.	.	.	.	.
WSW	.	.	.	.	.	.	.	.	.	.	.	1.7	4.7
W	.	.	1.1	1.1	.	.	.	.	.	.	.	1.2	4.5
WNW	.	1.0	1.0	.	.	.	.	.	.	.	.	1.2	1.1
NW	.	1.0	1.1	1.7	.	.	.	.	.	.	.	4.5	3.9
NNW	.	1.0	1.0	1.0	1.4	.	.	.	.	.	.	4.7	3.1
VARBL													
CALM												20.6	
	1.1	1.0	1.2	4.7	1.7	.	.	.	.	.	.	1.0	4.0

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION

STATION NAME

YEARS

MONTH

CLASS

HOURS (U.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.	.	.	.	.	3.0	.
NNE	.	.	.	.	.	.	.	.	.	.	.	4.7	1.1
NE	.	.	.	.	.	.	.	.	.	.	.	4.0	1.1
ENE	.	.	.	.	.	.	.	.	.	.	.	7.7	1.1
E	.	.	.	.	.	.	.	.	.	.	.	11.0	2.0
ESE	.	.	.	.	.	.	.	.	.	.	.	5.0	2.0
SE	.	.	.	.	.	.	.	.	.	.	.	7.1	1.0
SSE	.	.	.	.	.	.	.	.	.	.	.	8.3	2.0
S	.	.	.	.	.	.	.	.	.	.	.	10.1	2.0
SSW	.	.	.	.	.	.	.	.	.	.	.	8.1	4.0
SW	.	.	.	.	.	.	.	.	.	.	.	10.1	5.0
WSW	.	.	.	.	.	.	.	.	.	.	.	10.1	5.7
W	.	.	.	.	.	.	.	.	.	.	.	30.1	7.0
WNW	.	.	.	.	.	.	.	.	.	.	.	10.7	6.0
NW	.	.	.	.	.	.	.	.	.	.	.	10.1	6.4
NNW	.	.	.	.	.	.	.	.	.	.	.	10.4	7.0
VARBL													
CALM												30.0	
	10.4	10.7	4.3	10.4	5.7	5.1	5.1					10.0	6.1

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
CLASS			HOURS (L.S.T.)
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARB													
CALM													

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.						
NNE	.	.	.	.	.	.	.						
NE	.	.	.	.	.	.	.						
ENE	.	.	.	.	.	.	.						
E	.	.	.	.	.	.	.						
ESE	.	.	.	.	.	.	.						
SE	.	.	.	.	.	.	.						
SSE	.	.	.	.	.	.	.						
S	.	.	.	.	.	.	.						
SSW	.	.	.	.	.	.	.						
SW	.	.	.	.	.	.	.						
WSW	.	.	.	.	.	.	.						
W	.	.	.	.	.	.	.						
WNW	.	.	.	.	.	.	.						
NW	.	.	.	.	.	.	.						
NNW	.	.	.	.	.	.	.						
VARBL													
CALM													
	.	.	.	.	.	.	.						

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	MONTH
	CLASS		HOURS (L.S.T.)
	CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N	.	.	.	.	.	.	.					1.5	1.0
NNE	.	.	.	.	.	.	.					1.5	1.0
NE	.	.	.	.	.	.	.					1.5	1.0
ENE	.	.	.	.	.	.	.					1.7	1.0
E	.	.	.	.	.	.	.					1.8	1.0
ESE	.	.	.	.	.	.	.					1.8	1.0
SE	.	.	.	.	.	.	.					1.7	1.0
SSE	.	.	.	.	.	.	.					1.4	1.0
S	.	.	.	.	.	.	.					1.5	1.0
SSW	.	.	.	.	.	.	.					1.5	1.0
SW	.	.	.	.	.	.	.					1.5	1.0
WSW	.	.	.	.	.	.	.					1.5	1.0
W	.	.	.	.	.	.	.					1.4	1.0
WNW	.	.	.	.	.	.	.					1.5	1.0
NW	.	.	.	.	.	.	.					1.5	1.0
NNW	.	.	.	.	.	.	.					1.5	1.0
VARBL													
CALM												1.4	
	.	.	.	.	.	.	.	.	.	.	.	1.5	1.0

TOTAL NUMBER OF OBSERVATIONS

# SURFACE WINDS

## PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

STATION	STATION NAME	YEARS	ALL MONTH
			ALL
			HOURS (L.S.T.)
CLASS			
CONDITION			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥ 56	%	MEAN WIND SPEED
N													
NNE													
NE													
ENE													
E													
ESE													
SE													
SSE													
S													
SSW													
SW													
WSW													
W													
WNW													
NW													
NNW													
VARBL													
CALM													

TOTAL NUMBER OF OBSERVATIONS



U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART D CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

1. Annual - all years and all hours combined
2. By month - all years and all hours combined
3. By month - by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING (FEET)	VISIBILITY (STATUTE MILES)														
	$\geq 10$	$\geq 6$	$\geq 5$	$\geq 4$	$\geq 3$	$\geq 2\frac{1}{2}$	$\geq 2$	$\geq 1\frac{1}{2}$	$\geq 1\frac{1}{4}$	$\geq 1$	$\geq \frac{3}{4}$	$\geq \frac{1}{2}$	$\geq \frac{1}{4}$	$\geq \frac{1}{8}$	$\geq 0$
NO CEILING															
1800															
1500					91.0										92.6
1200															
1000															
900															
800															
700															
600															
500										97.4					98.1
400															
300															
200															
100															
0					95.4		96.9			98.3					100.0

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed  $\geq 0$ .  
For instance, from the table: Ceiling  $\geq 1500$  feet = 92.6%.  
Ceiling  $\geq 500$  feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite  $\geq 0$ . From the table:  
Visibility  $\geq 3$  miles = 95.4%.  
Visibility  $\geq 2$  miles = 96.9%.  
Visibility  $\geq 1$  mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling  $\geq 1500$  feet with visibility  $\geq 3$  miles = 91.0%.

#### ADDITIONAL EXAMPLES

##### EXAMPLE # 4

Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%. Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

##### EXAMPLE # 5

To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of  $\geq 1500$  feet with  $\geq 3$  miles, subtracted from 97.4 read from the table at the intersection of  $\geq 500$  feet with  $\geq 1$  mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling  $\geq 500$  feet with visibility  $> 1$  mile, but  $< 3$  miles; or ceiling  $\geq 500$  feet, but  $< 1500$  feet with visibility  $\geq 1$  mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 HOURS (L.S.T.) \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	1.0	5.7	5.0	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 18000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 16000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 14000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 12000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 10000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 9000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 8000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 7000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 6000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 5000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 4500	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 4000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 3500	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 3000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 2500	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 2000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 1800	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 1500	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 1200	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 1000	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 900	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 800	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 700	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 600	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 500	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 400	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 300	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 200	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 100	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0
IV 0	1.0	11.1	10.2	11.1	10.2	13.2	14.5	14.0	15.3	15.4	15.8	16.7	16.7	15.0	15.0	15.0

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000 IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000 IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000 IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000 IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000 IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500 IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500 IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500 IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800 IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200 IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900 IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700 IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500 IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300 IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100 IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1955-1956  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING ≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	1.1	4.5	5.1	27.4	3.9	3.3	34.8	11.4	31.3	31.7	62.7	62.7	33.2	42.4	32.4	7.4
IV 18000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 16000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 14000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 12000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 10000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 9000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 8000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 7000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 6000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 5000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 4500	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 4000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 3500	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 3000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 2500	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 2000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 1800	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 1500	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 1200	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 1000	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 900	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 800	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 700	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 600	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 500	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 400	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 300	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 200	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 100	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5
IV 0	1.1	4.5	5.1	23.4	34.9	34.9	33.1	26.1	36.5	66.9	67.2	67.2	67.3	67.5	67.5	67.5

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

11  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
≥ 20000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 18000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 16000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 14000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 12000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 10000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 9000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 8000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 7000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 6000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 4500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 4000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 3500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 3000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 2500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 1800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 1200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 900	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 800	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 700	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 600	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 500	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 400	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 300	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 200	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 100	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
IN 0	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥⅓	≥5/16	≥¼	≥0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 18000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 16000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 14000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 12000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 10000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 9000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 8000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 5000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IV 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000 IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000 IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000 IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000 IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 6000 ≥ 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4500 ≥ 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500 IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500 IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800 IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200 IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900 IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700 IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500 IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300 IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100 IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1944  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

7.17-11

YEARS

FL

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19 7-17 11  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING IN 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 9500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IN 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS 412

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19 7 19 7  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	64.4	54.7	44.9	35.2	25.5	15.8	8.3	3.5	1.7	0.9	0.5	0.3	0.2	0.1	0.1	0.1
≥ 18000 N 16000	74.1	64.4	54.7	44.9	35.2	25.5	15.8	8.3	3.5	1.7	0.9	0.5	0.3	0.2	0.1	0.1
≥ 14000 N 12000	77.7	68.0	58.3	48.6	38.9	29.2	19.5	10.8	5.1	2.6	1.3	0.7	0.4	0.2	0.1	0.1
≥ 10000 N 9000	78.8	69.1	59.4	49.7	40.0	30.3	20.6	11.9	6.2	3.1	1.6	0.8	0.4	0.2	0.1	0.1
≥ 8000 N 7000	79.9	70.2	60.5	50.8	41.1	31.4	21.7	13.0	7.3	3.6	1.8	0.9	0.5	0.3	0.2	0.1
≥ 6000 N 5000	80.0	70.3	60.6	50.9	41.2	31.5	21.8	13.1	7.4	3.7	1.9	1.0	0.5	0.3	0.2	0.1
≥ 4500 N 4000	80.1	70.4	60.7	51.0	41.3	31.6	21.9	13.2	7.5	3.8	2.0	1.1	0.6	0.4	0.2	0.1
≥ 3500 N 3000	80.2	70.5	60.8	51.1	41.4	31.7	22.0	13.3	7.6	3.9	2.1	1.2	0.7	0.5	0.3	0.2
≥ 2500 N 2000	80.3	70.6	60.9	51.2	41.5	31.8	22.1	13.4	7.7	4.0	2.2	1.3	0.8	0.6	0.4	0.3
≥ 1800 N 1500	80.4	70.7	61.0	51.3	41.6	31.9	22.2	13.5	7.8	4.1	2.3	1.4	0.9	0.7	0.5	0.4
≥ 1200 N 1000	80.5	70.8	61.1	51.4	41.7	32.0	22.3	13.6	7.9	4.2	2.4	1.5	1.0	0.8	0.6	0.5
≥ 900 N 800	80.6	70.9	61.2	51.5	41.8	32.1	22.4	13.7	8.0	4.3	2.5	1.6	1.1	0.9	0.7	0.6
≥ 700 N 600	80.7	71.0	61.3	51.6	41.9	32.2	22.5	13.8	8.1	4.4	2.6	1.7	1.2	1.0	0.8	0.7
≥ 500 N 400	80.8	71.1	61.4	51.7	42.0	32.3	22.6	13.9	8.2	4.5	2.7	1.8	1.3	1.1	0.9	0.8
≥ 300 N 200	80.9	71.2	61.5	51.8	42.1	32.4	22.7	14.0	8.3	4.6	2.8	1.9	1.4	1.2	1.0	0.9
≥ 100 N 0	81.0	71.3	61.6	51.9	42.2	32.5	22.8	14.1	8.4	4.7	2.9	2.0	1.5	1.3	1.1	1.0

TOTAL NUMBER OF OBSERVATIONS 241

# CEILING VERSUS VISIBILITY

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 18000 IV 16000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 14000 IV 12000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 10000 IV 9000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 8000 IV 7000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 6000 IV 5000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 4500 IV 4000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 3500 IV 3000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 2500 IV 2000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 1800 IV 1500	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 1200 IV 1000	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 900 IV 800	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 700 IV 600	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 500 IV 400	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 300 IV 200	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5
IV 100 IV 0	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5	67.5

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

1971-72

YEARS

FL

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING IN 20000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 18000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 16000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 14000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 12000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 10000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 9000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 8000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 5000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 4500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 3500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 1800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 1200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
IN 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS 116

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 18000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 16000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 14000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 12000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 10000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 9000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 8000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 7000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 6000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 5000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 4500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 4000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 3500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 3000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 2500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 2000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 1000	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 900	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 800	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 700	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 600	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 500	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 400	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 300	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 200	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 100	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
IV 0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

- 7 -

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼
NO CEILING															
N 20000															
N 18000															
N 16000															
N 14000															
N 12000															
N 10000															
N 9000															
N 8000															
N 7000															
N 6000															
N 5000															
N 4500															
N 4000															
N 3500															
N 3000															
N 2500															
N 2000															
N 1800															
N 1500															
N 1200															
N 1000															
N 900															
N 800															
N 700															
N 600															
N 500															
N 400															
N 300															
N 200															
N 100															
N 0															

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

1-77, 73-

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 18000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 16000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 14000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 12000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 10000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 9500	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 8000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 7000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 6000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 5000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 4500	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 4000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 3500	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 3000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
≥ 2500	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
≥ 2000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
≥ 1800	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 1500	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 1200	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 1000	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
≥ 900	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 800	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 700	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 600	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 500	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 400	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
≥ 300	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 200	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 100	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4
IN 0	1.1	4.1	4.1	4.7	5.3	7.4	11.5	12.4	17.3	22.4	32.1	52.4	52.4	52.4	52.4	52.4

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 18000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 16000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 14000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 12000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 10000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 9000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 8000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 7000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 6000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 5000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 4500	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 4000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 3500	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 3000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 2500	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 2000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 1800	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 1500	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 1200	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 1000	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 900	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 800	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 700	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 600	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 500	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 400	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 300	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 200	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 100	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•
IV 0	•	44.4	43.4	37.4	34.3	25.3	14.7	14.5	14.5	14.5	13.1	11.1	10.1	10.1	10.1	•

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

10 - 4  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	•	•	4.7	•	•	•	•	4.7	•	•	•	•	•	•	•	•
≥ 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOL

CEILING (feet)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000 ≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000 ≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000 ≥ 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000 ≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000 ≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500 ≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500 ≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500 ≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800 ≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200 ≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900 ≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700 ≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500 ≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300 ≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100 ≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	.	.	.	.	.	.	.	.	.	.	.	.	.	7.	7.	7.
≥ 20000	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 18000	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 16000	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 14000	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 12000	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 10000	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 8000	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 6000	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 5000	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 4500	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 4000	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 3500	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 3000	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 2500	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 2000	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 1800	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 1500	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 1200	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 1000	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 900	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 800	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 700	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 600	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 500	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 400	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 300	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 200	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 100	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.
≥ 0	.	.	.	.	.	.	.	.	.	.	.	.	.	5.	5.	5.

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING FEET	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 3	≥ 2	≥ 1	≥ 1/2	≥ 1/4	≥ 1/8	≥ 1/16	≥ 1/32	≥ 1/64	≥ 1/128	≥ 1/256	≥ 1/512	≥ 1/1024	≥ 0
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1500																
≥ 1000																
≥ 800																
≥ 600																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

LL  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
≥ 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 HOURS (L.S.T.) \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NOT RECORDED																
≥ 2000																
≥ 1800																
≥ 1600																
≥ 1400																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 450																
≥ 400																
≥ 350																
≥ 300																
≥ 250																
≥ 200																
≥ 150																
≥ 120																
≥ 100																
≥ 90																
≥ 80																
≥ 70																
≥ 60																
≥ 50																
≥ 40																
≥ 30																
≥ 20																
≥ 10																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ⅓	≥ 5/16	≥ ¼	≥ 0
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 18000 ≥ 15000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 14000 ≥ 12000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 10000 ≥ 9000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 8000 ≥ 7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 6000 ≥ 5000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 4500 ≥ 4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 3500 ≥ 3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 2500 ≥ 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1800 ≥ 1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1200 ≥ 1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 900 ≥ 800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 700 ≥ 600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 500 ≥ 400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 300 ≥ 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 100 ≥ 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 HOURS (L.S.T.) \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY - STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000 ≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000 ≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 9000 ≥ 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000 ≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000 ≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500 ≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500 ≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500 ≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1500 ≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800 ≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200 ≥ 000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900 ≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700 ≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500 ≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300 ≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100 ≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY: STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

## CEILING VERSUS VISIBILITY

**MONTH**

HOURS (L.S.T.)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 68

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/8	≥ 1/16	≥ 1/32
NO CEILING ≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_



AD-A110 046 AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NORTON AFB, CALIFORNIA REVISED UNIFORM SUMMARY OF SURFACE WEATH--ETC(U)  
SEP 81  
UNCLASSIFIED USAFETAC/DS-81/089 SBI-AD-E850 11#

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NORTON AFB, CALIFORNIA REVISED UNIFORM SUMMARY OF SURFACE WEATH--ETC(U)  
SEP 81

UNCLASSIFIED USAFETAC/DS-81/089

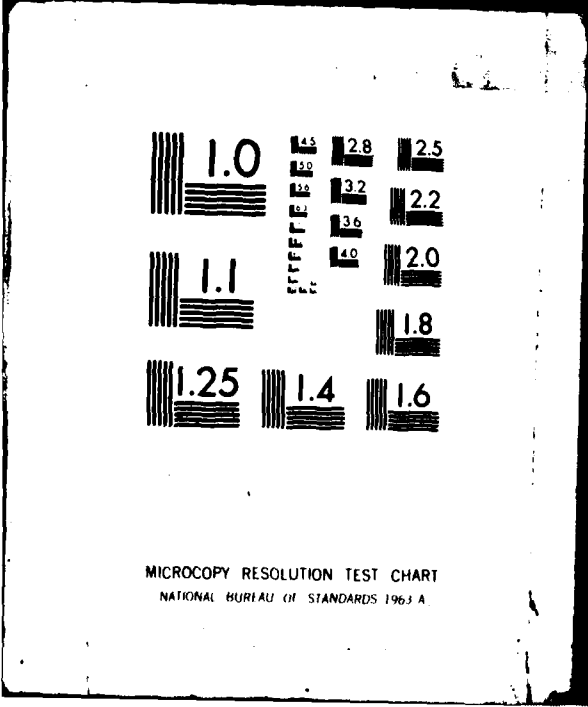
SBI-AD-E850 11P

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3-6

5. *Staphylococcus aureus*

██████████



MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS 1963 A

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

DATE

YEARS

DAY

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 54-71,73-5  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	1.0	1.0	2.0	7.0	31.0	33.4	31.0	42.2	43.0	44.2	44.5	44.5	44.7	44.7	44.7	44.7
IV 18000	1.0	1.0	2.0	7.0	31.0	34.2	33.0	43.0	43.0	45.1	45.4	45.4	45.6	45.6	45.6	45.7
IV 16000	1.0	1.0	2.0	7.0	31.2	34.2	34.0	43.0	43.0	45.1	45.4	45.4	45.6	45.6	45.6	45.7
IV 14000	1.0	1.0	2.0	7.0	31.5	34.5	34.1	43.3	44.0	45.4	45.7	45.7	45.9	45.9	45.9	46.0
IV 12000	1.0	1.0	2.0	7.0	31.5	34.5	35.1	43.3	44.0	45.4	45.7	45.7	45.9	45.9	45.9	46.0
IV 10000	1.0	1.0	2.0	7.0	31.0	35.1	34.7	43.9	44.7	45.9	46.2	46.2	46.5	46.5	46.5	46.6
IV 9000	1.0	1.0	2.0	7.0	31.0	35.4	34.2	44.2	45.1	46.2	46.2	46.6	46.6	46.6	46.6	46.6
IV 8000	1.0	1.0	2.0	7.0	31.0	35.6	34.0	44.4	45.3	46.5	46.5	46.8	46.8	47.0	47.0	47.1
IV 7000	1.0	1.0	2.0	7.0	31.0	35.7	34.3	44.5	45.4	46.6	46.6	46.9	46.9	47.1	47.1	47.2
IV 6000	1.0	1.0	2.0	7.0	31.0	35.1	34.5	44.7	45.6	46.8	47.1	47.1	47.3	47.3	47.3	47.4
IV 5000	1.0	1.0	2.0	7.0	31.0	35.1	34.2	44.7	45.6	46.8	47.0	47.3	47.3	47.5	47.5	47.6
IV 4500	1.0	1.0	2.0	7.0	31.0	35.2	34.5	45.7	46.6	47.7	48.1	48.1	48.2	48.3	48.3	48.4
IV 4000	1.0	1.0	2.0	7.0	31.0	35.5	34.1	47.3	48.3	49.4	49.7	49.7	49.9	49.9	49.9	50.0
IV 3500	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 3000	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 2500	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 2000	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 1800	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 1500	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 1200	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 1000	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 900	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 800	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 700	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 600	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 500	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 400	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 300	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 200	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 100	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8
IV 0	1.0	1.0	2.0	7.0	31.0	35.7	34.2	49.1	50.1	51.2	51.5	51.5	51.7	51.7	51.7	51.8

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

59-7, 73-1

YEARS

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0-1-1  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

U.S. AIR FORCE  
FORM 10-1  
1-64

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ 67-7, 73-1  
PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)  
YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
1973-1974  
HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

USAF ETAC FORM 10-1 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEAR \_\_\_\_\_ MONTH \_\_\_\_\_  
 HOURS (L.S.T.) \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	1.1	71.1	42.1	5.1	61.4	67.3	69.4	70.4	70.1	71.3	71.5	71.5	71.5	71.5	71.5	71.5
≥ 20000	1.1	34.5	42.1	53.4	64.7	72.5	73.3	74.5	74.8	75.4	75.6	75.6	75.6	75.6	75.6	75.6
≥ 18000	1.1	34.5	42.1	53.4	64.7	72.5	73.7	74.5	74.1	75.4	75.6	75.6	75.6	75.6	75.6	75.6
≥ 16000	1.1	34.5	42.1	53.7	64.2	72.8	73.5	74.7	75.1	75.6	75.7	75.8	75.8	75.8	75.8	75.8
≥ 14000	1.1	34.4	42.1	53.7	65.2	71.1	72.3	74.9	75.3	75.8	76.1	76.6	76.6	76.6	76.6	76.6
≥ 12000	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 10000	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 9000	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 8000	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 7000	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 6000	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 5000	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4500	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 4000	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3500	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 3000	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2500	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 2000	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1800	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1500	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1200	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1000	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 900	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 800	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 700	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 600	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 500	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 400	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 300	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 200	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 100	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6
≥ 0	1.1	34.4	42.1	54.1	65.5	71.3	74.1	75.5	75.8	76.3	76.6	76.6	76.6	76.6	76.6	76.6

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

WINDS AND WEATHER  
STATION  
DATE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES:															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
≥ 0																

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 18000 N 16000	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
≥ 14000 N 12000	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 10000 N 9000	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4	72.4
≥ 8000 N 7000	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 6000 N 5000	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 4500 N 4000	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7	75.7
≥ 3500 N 3000	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 2500 N 2000	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7	86.7
≥ 1800 N 1500	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1	91.1
≥ 1200 N 1000	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 900 N 800	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5
≥ 700 N 600	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 500 N 400	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 300 N 200	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 100 N 0	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7

TOTAL NUMBER OF OBSERVATIONS 92

THE UNIVERSITY OF CHICAGO  
CHICAGO, ILL. 60637  
U.S.A.

ALL  
MOVIES (18 x)

[illegible]

TOTAL NUMBER OF OBSERVATIONS 144

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

60-7, 73-8

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	½	¾	≥5/16	¼	≥0
NO CEILING																
≥ 20000																
≥ 18000																
≥ 16000																
≥ 14000																
≥ 12000																
≥ 10000																
≥ 9000																
≥ 8000																
≥ 7000																
≥ 6000																
≥ 5000																
≥ 4500																
≥ 4000																
≥ 3500																
≥ 3000																
≥ 2500																
≥ 2000																
≥ 1800																
≥ 1500																
≥ 1200																
≥ 1000																
≥ 900																
≥ 800																
≥ 700																
≥ 600																
≥ 500																
≥ 400																
≥ 300																
≥ 200																
≥ 100																
0																

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION                      STATION NAME                      YEARS 59-71, 73-74 MONTH JUL  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.) 7-15

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	1.0	31.7	41.1	47.0	50.6	54.7	58.1	59.7	61.4	61.4	61.7	61.8	61.9	62.0	62.0	62.0
≥ 20000	1.0	31.7	41.1	47.0	50.6	54.7	58.1	59.7	61.4	61.4	61.7	61.8	61.9	62.0	62.0	62.0
≥ 18000	1.0	4.0	41.1	47.0	54.1	55.2	59.8	61.4	62.7	63.2	63.4	63.6	63.7	63.8	63.8	63.8
≥ 16000	1.0	4.0	41.1	47.0	54.1	55.2	59.8	61.4	62.7	63.2	63.4	63.6	63.7	63.8	63.8	63.8
≥ 14000	1.0	4.0	41.1	47.0	54.2	55.4	60.1	61.7	62.4	63.4	63.7	63.8	63.9	64.0	64.0	64.0
≥ 12000	1.0	4.0	41.1	47.0	54.6	55.8	60.3	62.7	62.7	63.5	64.1	64.1	64.2	64.3	64.3	64.3
≥ 10000	1.0	4.0	43.1	47.8	54.7	55.8	60.4	62.1	62.7	64.0	64.0	64.2	64.3	64.4	64.4	64.4
≥ 9000	1.0	4.0	43.1	47.8	54.8	57.3	60.4	62.3	62.7	64.2	64.4	64.6	64.7	64.8	64.8	64.8
≥ 8000	1.0	4.0	43.1	47.8	54.9	57.2	60.4	62.5	63.3	64.4	64.7	64.8	64.9	65.0	65.0	65.0
≥ 7000	1.0	4.0	43.1	47.8	54.9	57.2	60.4	62.5	63.3	64.4	64.7	64.8	64.9	65.0	65.0	65.0
≥ 6000	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 5000	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 4500	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 4000	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 3500	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 3000	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 2500	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 2000	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 1800	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 1500	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 1200	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 1000	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 900	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 800	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 700	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 600	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 500	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 400	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 300	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 200	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 100	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1
≥ 0	1.0	4.0	43.1	47.8	54.9	57.3	60.4	62.7	63.4	64.6	64.7	64.8	64.9	65.0	65.1	65.1

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	0.0	0.0	4.0	0.0	0.4	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 18000	0.0	0.0	4.0	0.0	0.1	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 16000	0.0	0.0	4.0	0.0	0.1	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 14000	0.0	0.0	4.0	0.0	0.2	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 12000	0.0	0.0	4.0	0.0	0.4	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 10000	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 9000	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 8000	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 7000	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 6000	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 5000	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 4500	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 4000	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 3500	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 3000	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 2500	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 2000	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1800	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1500	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1200	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1000	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 900	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 800	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 700	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 600	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 500	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 400	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 300	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 200	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 100	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 0	0.0	0.0	4.0	0.0	0.7	0.7	0.7	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



# CEILING VERSUS VISIBILITY

STATION

STATION NAME

11-7, 75-

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 20000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 18000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 16000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 14000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 12000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 10000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 9000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 8000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 7000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 6000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 5000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 4500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 4000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 3000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 2000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1800	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1200	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 1000	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 900	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 800	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 700	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 600	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 500	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 400	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 300	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 200	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 100	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
IV 0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 19-7-73-6  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	...	...	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
≥ 20000	...	...	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
≥ 18000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 16000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
≥ 14000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 12000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 10000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 9000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 8000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 7000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 6000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 5000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 4500	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 4000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 3500	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 3000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 2500	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 2000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1800	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1500	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1200	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 1000	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 900	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 800	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 700	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 600	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 500	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 400	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 300	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 200	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 100	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7
IV 0	...	61.4	61.4	71.4	61.4	4.9	5.4	5.6	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.7

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

17-7, 73-1

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 20000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 18000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 16000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 14000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 12000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 10000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 9000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 8000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 7000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 6000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 5000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 4500	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 4000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 3500	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 3000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 2500	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 2000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 1800	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 1500	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 1200	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 1000	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 900	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 800	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 700	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 600	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 500	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 400	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 300	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 200	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 100	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1
≥ 0	44.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1	51.1

TOTAL NUMBER OF OBSERVATIONS 7

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	½	¼	≥5/16	≥¼	≥0
NO CEILING	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 20000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 18000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 16000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 14000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 12000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 10000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 9000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 8000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 7000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 6000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 5000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 4000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 3000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 1000	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 900	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 800	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 700	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 600	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 500	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 400	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 300	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 200	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 100	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7
≥ 0	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

7-7-

YEARS

JUL  
MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

7-1-57  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

1. DATE \_\_\_\_\_  
 2. TIME \_\_\_\_\_  
 3. LOCATION \_\_\_\_\_  
 4. WIND \_\_\_\_\_  
 5. WAVE \_\_\_\_\_  
 6. SEA \_\_\_\_\_  
 7. SKY \_\_\_\_\_  
 8. TEMP \_\_\_\_\_  
 9. MOON \_\_\_\_\_  
 10. SUN \_\_\_\_\_  
 11. STAR \_\_\_\_\_  
 12. PLANET \_\_\_\_\_  
 13. COMET \_\_\_\_\_  
 14. NEBULA \_\_\_\_\_  
 15. QUASAR \_\_\_\_\_  
 16. BLACK HOLE \_\_\_\_\_  
 17. WHITE DWARF \_\_\_\_\_  
 18. RED DWARF \_\_\_\_\_  
 19. BROWN DWARF \_\_\_\_\_  
 20. NEUTRON STAR \_\_\_\_\_  
 21. BLACK STAR \_\_\_\_\_  
 22. GRAY STAR \_\_\_\_\_  
 23. BLUE STAR \_\_\_\_\_  
 24. GREEN STAR \_\_\_\_\_  
 25. PURPLE STAR \_\_\_\_\_  
 26. PINK STAR \_\_\_\_\_  
 27. YELLOW STAR \_\_\_\_\_  
 28. ORANGE STAR \_\_\_\_\_  
 29. RED STAR \_\_\_\_\_  
 30. WHITE STAR \_\_\_\_\_  
 31. GRAY STAR \_\_\_\_\_  
 32. BLUE STAR \_\_\_\_\_  
 33. GREEN STAR \_\_\_\_\_  
 34. PURPLE STAR \_\_\_\_\_  
 35. PINK STAR \_\_\_\_\_  
 36. YELLOW STAR \_\_\_\_\_  
 37. ORANGE STAR \_\_\_\_\_  
 38. RED STAR \_\_\_\_\_  
 39. WHITE STAR \_\_\_\_\_  
 40. GRAY STAR \_\_\_\_\_  
 41. BLUE STAR \_\_\_\_\_  
 42. GREEN STAR \_\_\_\_\_  
 43. PURPLE STAR \_\_\_\_\_  
 44. PINK STAR \_\_\_\_\_  
 45. YELLOW STAR \_\_\_\_\_  
 46. ORANGE STAR \_\_\_\_\_  
 47. RED STAR \_\_\_\_\_  
 48. WHITE STAR \_\_\_\_\_  
 49. GRAY STAR \_\_\_\_\_  
 50. BLUE STAR \_\_\_\_\_  
 51. GREEN STAR \_\_\_\_\_  
 52. PURPLE STAR \_\_\_\_\_  
 53. PINK STAR \_\_\_\_\_  
 54. YELLOW STAR \_\_\_\_\_  
 55. ORANGE STAR \_\_\_\_\_  
 56. RED STAR \_\_\_\_\_  
 57. WHITE STAR \_\_\_\_\_  
 58. GRAY STAR \_\_\_\_\_  
 59. BLUE STAR \_\_\_\_\_  
 60. GREEN STAR \_\_\_\_\_  
 61. PURPLE STAR \_\_\_\_\_  
 62. PINK STAR \_\_\_\_\_  
 63. YELLOW STAR \_\_\_\_\_  
 64. ORANGE STAR \_\_\_\_\_  
 65. RED STAR \_\_\_\_\_  
 66. WHITE STAR \_\_\_\_\_  
 67. GRAY STAR \_\_\_\_\_  
 68. BLUE STAR \_\_\_\_\_  
 69. GREEN STAR \_\_\_\_\_  
 70. PURPLE STAR \_\_\_\_\_  
 71. PINK STAR \_\_\_\_\_  
 72. YELLOW STAR \_\_\_\_\_  
 73. ORANGE STAR \_\_\_\_\_  
 74. RED STAR \_\_\_\_\_  
 75. WHITE STAR \_\_\_\_\_  
 76. GRAY STAR \_\_\_\_\_  
 77. BLUE STAR \_\_\_\_\_  
 78. GREEN STAR \_\_\_\_\_  
 79. PURPLE STAR \_\_\_\_\_  
 80. PINK STAR \_\_\_\_\_  
 81. YELLOW STAR \_\_\_\_\_  
 82. ORANGE STAR \_\_\_\_\_  
 83. RED STAR \_\_\_\_\_  
 84. WHITE STAR \_\_\_\_\_  
 85. GRAY STAR \_\_\_\_\_  
 86. BLUE STAR \_\_\_\_\_  
 87. GREEN STAR \_\_\_\_\_  
 88. PURPLE STAR \_\_\_\_\_  
 89. PINK STAR \_\_\_\_\_  
 90. YELLOW STAR \_\_\_\_\_  
 91. ORANGE STAR \_\_\_\_\_  
 92. RED STAR \_\_\_\_\_  
 93. WHITE STAR \_\_\_\_\_  
 94. GRAY STAR \_\_\_\_\_  
 95. BLUE STAR \_\_\_\_\_  
 96. GREEN STAR \_\_\_\_\_  
 97. PURPLE STAR \_\_\_\_\_  
 98. PINK STAR \_\_\_\_\_  
 99. YELLOW STAR \_\_\_\_\_  
 100. ORANGE STAR \_\_\_\_\_  
 101. RED STAR \_\_\_\_\_  
 102. WHITE STAR \_\_\_\_\_  
 103. GRAY STAR \_\_\_\_\_  
 104. BLUE STAR \_\_\_\_\_  
 105. GREEN STAR \_\_\_\_\_  
 106. PURPLE STAR \_\_\_\_\_  
 107. PINK STAR \_\_\_\_\_  
 108. YELLOW STAR \_\_\_\_\_  
 109. ORANGE STAR \_\_\_\_\_  
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 217. ORANGE STAR \_\_\_\_\_  
 218. RED STAR \_\_\_\_\_  
 219. WHITE

STATION NAME

$$y_j = 1, \quad j = 1, \dots, n$$

**YEARS**

JUL  
MONTH

**HOURS (L.S.T.)**

## STATION

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-3 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

JUL

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/32	≥ 1/64	≥ 0
NO CEILING ≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

1971

YEARS

JUL

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1971-1971  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING ≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IN 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

STATION

STATION NAME

1973

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

1973  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 20000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 18000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 16000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 14000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 12000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 10000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 9000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 8000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 7000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 6000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 5000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 4500	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 4000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 3500	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 3000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 2500	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 2000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 1800	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 1500	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 1200	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 1000	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 900	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 800	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 700	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 600	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 500	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 400	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 300	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 200	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 100	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1
≥ 0	•	1.1	7.1	11.1	15.1	19.1	23.1	27.1	31.1	35.1	39.1	43.1	47.1	51.1	55.1	59.1

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

1. AL CLC 10000 10000  
2. 10000 10000  
3. 10000 10000

# CEILING VERSUS VISIBILITY

STATION 10000 STATION NAME 10000 YEARS 10000 MONTH 10000  
PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
≥ 20000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 18000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 16000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 14000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 12000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 10000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 9000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 8000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 7000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 6000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 5000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 4500	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 4000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 3500	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 3000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 2500	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 2000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 1800	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 1500	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 1200	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 1000	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 900	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 800	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 700	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 600	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 500	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 400	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 300	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 200	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 100	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9
IV 0	7.7	13.3	15.0	16.7	18.3	19.0	20.0	21.1	22.2	23.3	24.4	25.5	26.6	27.7	28.8	29.9

TOTAL NUMBER OF OBSERVATIONS 10000

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 18000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 16000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 14000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 12000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 10000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 9000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 8000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 7000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 6000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 5000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4500	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 4000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3500	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 3000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 2500	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 2000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 1800	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 1500	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 1200	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 1000	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 900	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 800	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 700	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 600	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 500	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 400	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 300	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 200	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 100	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEAR \_\_\_\_\_ MONTH \_\_\_\_\_  
 JUL 1956  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING IV 20000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 18000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 16000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 14000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 12000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 10000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 9000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 8000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 7000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 6000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 5000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 4500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 4000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 3500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 3000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 2500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 2000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1800	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1200	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1000	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 900	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 800	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 700	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 600	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 500	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 400	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 300	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 200	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 100	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 0	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	7	•	•	•	7.1	7.4	7.7	8.1	8.5	8.9	9.3	9.7	10.1	•
≥ 20000	•	•	7	•	•	•	7.3	7.6	7.9	8.2	8.6	9.0	9.4	9.8	10.2	•
≥ 18000	•	•	7	•	•	•	7.4	7.7	8.0	8.3	8.7	9.1	9.5	9.9	10.3	•
≥ 16000	•	•	7	•	•	•	7.5	7.8	8.1	8.4	8.8	9.2	9.6	10.0	10.4	•
≥ 14000	•	•	7	•	•	•	7.6	7.9	8.2	8.5	8.9	9.3	9.7	10.1	10.5	•
≥ 12000	•	•	7	•	•	•	7.7	8.0	8.3	8.6	9.0	9.4	9.8	10.2	10.6	•
≥ 10000	•	•	7	•	•	•	7.8	8.1	8.4	8.7	9.1	9.5	9.9	10.3	10.7	•
≥ 9000	•	•	7	•	•	•	7.9	8.2	8.5	8.8	9.2	9.6	10.0	10.4	10.8	•
≥ 8000	•	•	7	•	•	•	8.0	8.3	8.6	8.9	9.3	9.7	10.1	10.5	10.9	•
≥ 7000	•	•	7	•	•	•	8.1	8.4	8.7	9.0	9.4	9.8	10.2	10.6	11.0	•
≥ 6000	•	•	7	•	•	•	8.2	8.5	8.8	9.1	9.5	9.9	10.3	10.7	11.1	•
≥ 5000	•	•	7	•	•	•	8.3	8.6	8.9	9.2	9.6	10.0	10.4	10.8	11.2	•
≥ 4500	•	•	7	•	•	•	8.4	8.7	9.0	9.3	9.7	10.1	10.5	10.9	11.3	•
≥ 4000	•	•	7	•	•	•	8.5	8.8	9.1	9.4	9.8	10.2	10.6	11.0	11.4	•
≥ 3500	•	•	7	•	•	•	8.6	8.9	9.2	9.5	9.9	10.3	10.7	11.1	11.5	•
≥ 3000	•	•	7	•	•	•	8.7	9.0	9.3	9.6	10.0	10.4	10.8	11.2	11.6	•
≥ 2500	•	•	7	•	•	•	8.8	9.1	9.4	9.7	10.1	10.5	10.9	11.3	11.7	•
≥ 2000	•	•	7	•	•	•	8.9	9.2	9.5	9.8	10.2	10.6	11.0	11.4	11.8	•
≥ 1800	•	•	7	•	•	•	9.0	9.3	9.6	9.9	10.3	10.7	11.1	11.5	11.9	•
≥ 1500	•	•	7	•	•	•	9.1	9.4	9.7	10.0	10.4	10.8	11.2	11.6	12.0	•
≥ 1200	•	•	7	•	•	•	9.2	9.5	9.8	10.1	10.5	10.9	11.3	11.7	12.1	•
≥ 1000	•	•	7	•	•	•	9.3	9.6	9.9	10.2	10.6	11.0	11.4	11.8	12.2	•
≥ 900	•	•	7	•	•	•	9.4	9.7	10.0	10.3	10.7	11.1	11.5	11.9	12.3	•
≥ 800	•	•	7	•	•	•	9.5	9.8	10.1	10.4	10.8	11.2	11.6	12.0	12.4	•
≥ 700	•	•	7	•	•	•	9.6	9.9	10.2	10.5	10.9	11.3	11.7	12.1	12.5	•
≥ 600	•	•	7	•	•	•	9.7	10.0	10.3	10.6	11.0	11.4	11.8	12.2	12.6	•
≥ 500	•	•	7	•	•	•	9.8	10.1	10.4	10.7	11.1	11.5	11.9	12.3	12.7	•
≥ 400	•	•	7	•	•	•	9.9	10.2	10.5	10.8	11.2	11.6	12.0	12.4	12.8	•
≥ 300	•	•	7	•	•	•	10.0	10.3	10.6	10.9	11.3	11.7	12.1	12.5	12.9	•
≥ 200	•	•	7	•	•	•	10.1	10.4	10.7	11.0	11.4	11.8	12.2	12.6	13.0	•
≥ 100	•	•	7	•	•	•	10.2	10.5	10.8	11.1	11.5	11.9	12.3	12.7	13.1	•
≥ 0	•	•	7	•	•	•	10.3	10.6	10.9	11.2	11.6	12.0	12.4	12.8	13.2	•

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥20000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥18000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥16000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥14000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥12000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥10000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥9000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥8000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥7000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥6000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥5000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥4500	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥4000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥3500	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥3000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥2500	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥2000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥1800	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥1500	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥1200	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥1000	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥900	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥800	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥700	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥600	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥500	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥400	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥300	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥200	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥100	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥0	...	...	...	...	7.5	7.7	...	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 18000 IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 14000 IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 12000 IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 10000 IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 9000 IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 8000 IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 7000 IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 6000 IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 5000 IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4500 IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 3500 IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 2500 IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1800 IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1200 IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 900 IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 700 IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 500 IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 300 IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 100 IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

AD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

19 - 14  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 18000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 16000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 14000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 12000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 10000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 9000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 8000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 7000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 6000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 5000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 4500	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 4000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 3500	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 3000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 2500	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 2000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1800	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1500	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1200	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 1000	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 900	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 800	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 700	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 600	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 500	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 400	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 300	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 200	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 100	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7
IV 0	1.0	1.0	61.0	71.0	71.3	61.0	71.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7	61.7

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEAR

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ 0
NO CEILING ≥ 20000	1.0	1.0	7.0	1.0	22.7	1.0	1.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3	11.3
≥ 18000	1.0	1.0	7.0	4.4	21.3	2.9	1.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
≥ 16000	1.0	1.0	7.0	4.4	21.3	2.9	1.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9	12.9
≥ 14000	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 12000	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 10000	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 9000	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 8000	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 7000	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 6000	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 5000	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 4500	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 4000	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 3500	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 3000	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 2500	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 2000	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 1800	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 1500	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 1200	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 1000	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 900	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 800	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 700	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 600	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 500	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 400	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 300	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 200	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 100	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3
≥ 0	1.0	1.4	7.7	1.4	21.5	4.4	4.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3	14.3

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼
NO CEILING	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 20000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 18000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 16000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 14000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 12000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 10000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 9500	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 8000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 7000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 6000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 5000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 4500	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 4000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 3500	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 3000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 2500	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 2000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 1800	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 1500	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 1200	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 1000	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 900	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 800	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 700	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 600	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 500	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 400	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 300	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 200	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 100	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5
≥ 0	...	...	77.1	81.1	81.1	77.4	72.5	62.7	52.5	42.5	32.5	22.5	12.5	2.5	2.5	2.5

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

- 17,73 -

YEARS

MONTH

1 1-10

HOURS (L.S.T.)

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	1.1	1.1	4.1	1.1	3.1	1.4	1.5	1.3	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.1
IV 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
IV 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

YEARS

MONTH

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000 ≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000 ≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000 ≥ 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000 ≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000 ≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500 ≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500 ≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500 ≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1800 ≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200 ≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900 ≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700 ≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500 ≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300 ≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100 ≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

147

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ - 7, 73 - YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

1-1, 75-

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥3/16	≥¼	≥0
NO CEILING ≥ 20000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 18000 IV 16000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 14000 IV 12000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 10000 IV 9000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 8000 IV 7000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 6000 IV 5000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 4500 IV 4000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 3500 IV 3000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 2500 IV 2000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 1800 IV 1500	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 1200 IV 1000	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 900 IV 800	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 700 IV 600	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 500 IV 400	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 300 IV 200	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4
≥ 100 IV 0	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4	71.4

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	•	•	4 •	•	•	•	•	13.7	75.1	70.1	76.7	70.1	74.3	77.7	77.7	71.1
IV 18000	•	•	4 •	•	•	•	•	74.3	75.4	75.8	77.3	77.4	77.5	77.7	77.7	77.7
IV 16000	•	•	4 •	•	•	•	•	74.4	76.7	70.3	77.1	77.2	77.3	77.7	77.7	77.7
IV 14000	•	•	•	•	•	•	•	71.3	75.1	77.1	77.4	78.1	78.2	78.3	78.3	78.3
IV 12000	•	•	•	•	•	•	•	73.1	75.3	77.1	77.1	77.7	78.1	78.1	78.1	78.1
IV 10000	•	•	•	•	•	•	•	74.4	75.4	75.9	77.4	78.4	78.5	78.7	78.8	78.8
IV 8000	•	•	•	•	•	•	•	74.4	75.1	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	75.1	75.4	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	75.1	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

19 17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 18000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 16000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 14000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 12000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 10000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 9000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 8000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 7000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 6000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 5000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 4000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 3000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 1000	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 900	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 800	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 700	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 600	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 500	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 400	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
≥ 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

1-1, 195-

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-195-  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	...	...	...	77.7	77.7	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 18000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 16000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 14000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 12000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 10000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 9000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 8000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 7000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 6000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 5000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 4500	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 4000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3500	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 3000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2500	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 2000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1800	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1500	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1200	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 1000	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 900	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 800	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 700	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 600	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 500	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 400	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 300	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 200	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 100	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9
≥ 0	...	...	...	77.1	77.1	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9	76.9

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 18000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 16000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 14000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 12000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 10000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 9000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 8000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 7000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 6000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 5000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 4500	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 4000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 3500	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 3000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 2500	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 2000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 1800	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 1500	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 1200	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 1000	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 900	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 800	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 700	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 600	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 500	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 400	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 300	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 200	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 100	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6
≥ 0	0.0	0.0	0.0	0.0	0.0	11.9	78.1	70.1	79.0	79.3	79.0	79.6	79.6	79.6	79.6	79.6

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

1-7,73-

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 18000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 16000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 14000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 12000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 10000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 9000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 8000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 7000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 6000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 5000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 4500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 4000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 3500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 3000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 2500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 2000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 1000	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 900	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 800	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 700	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 600	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 500	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 400	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 300	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 200	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 100	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
≥ 0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 20000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 18000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 16000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 14000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 12000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 10000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 9000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 8000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 7000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 6000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 5000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 4500	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 4000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 3500	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 3000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 2500	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 2000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 1800	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 1500	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 1200	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 1000	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 900	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 800	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 700	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 600	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 500	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 400	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 300	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 200	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 100	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 0	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4

TOTAL NUMBER OF OBSERVATIONS



# CEILING VERSUS VISIBILITY

STATION

STATION NAME

19-7, 73-

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURLY (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥1/16	≥0	≥0
NO CEILING ≥ 20000	55.4	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
≥ 18000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 16000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 14000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 12000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 10000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 9000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 8000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 7000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 6000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 5000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 4500	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 4000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 3500	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 3000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 2500	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 2000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 1800	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 1500	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 1200	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 1000	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 900	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 800	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 700	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 600	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 500	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 400	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 300	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 200	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 100	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4
IV 0	47.3	45.4	44.1	44.1	41.1	40.1	38.1	39.7	37.4	31.3	31.3	31.5	31.7	31.7	31.9	32.4

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

54-71,73-07

YEARS

CT

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

17-7-14  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	43.8	54.4	57.2	58.2	59.3	67.6	72.5	77.0	77.3	78.1	78.5	78.5	78.5	78.5	78.5	78.5
≥ 20000	43.8	54.4	57.2	58.2	59.3	67.6	72.5	77.0	77.3	78.1	78.5	78.5	78.5	78.5	78.5	78.5
≥ 18000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 16000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 14000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 12000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 10000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 9000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 8000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 7000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 6000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 5000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4500	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 4000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3500	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 3000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2500	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 2000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1800	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1500	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1200	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 1000	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 900	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 800	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 700	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 600	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 500	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 400	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 300	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 200	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 100	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6
≥ 0	44.1	54.5	57.3	58.3	59.4	67.7	72.6	77.1	77.4	78.2	78.6	78.6	78.6	78.6	78.6	78.6

TOTAL NUMBER OF OBSERVATIONS

93

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

5-17, 75-5

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1-17  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES														
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼
NO CEILING	1.1	4.1	5.1	5.7	6.4	6.6	75.5	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 20000	2.1	4.1	5.1	5.7	6.4	6.6	74.2	75.2	75.7	76.1	76.7	75.1	75.1	75.1	75.1
≥ 18000	3.1	4.1	5.1	5.7	6.4	6.6	74.3	75.3	75.7	76.1	76.7	75.1	75.1	75.1	75.1
≥ 16000	3.1	4.1	5.1	5.7	6.4	6.6	74.5	75.5	75.7	76.1	76.7	75.1	75.1	75.1	75.1
≥ 14000	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 12000	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 10000	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 9000	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 8000	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 7000	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 6000	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 5000	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 4500	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 4000	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 3500	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 3000	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 2500	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 2000	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 1800	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 1500	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 1200	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 1000	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 900	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 800	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 700	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 600	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 500	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 400	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 300	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 200	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 100	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4
≥ 0	3.1	4.1	5.1	5.7	6.4	6.6	75.1	76.1	76.5	76.7	76.4	79.4	79.4	79.4	79.4

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION STATION NAME YEARS MONTH HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥20000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥18000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥16000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥14000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥12000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥10000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥9000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥8000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥7000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥6000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥5000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥4500	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥4000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥3500	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥3000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥2500	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥2000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥1800	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥1500	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥1200	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥1000	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥900	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥800	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥700	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥600	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥500	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥400	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥300	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥200	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥100	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...
≥0	...	47.7	57.7	74.7	67.5	74.1	77.7	79.6	80.7	81.5	82.5	83.5	84.5	84.5	84.5	...

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY, STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/10	≥ 1/20	≥ 1/30
NO CEILING	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

## CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

[illegible]

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 64

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 20000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 18000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 16000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 14000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 12000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 10000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 9000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 8000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 7000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 6000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 5000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 3500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 3000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 2500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 2000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 1800	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 1500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 1200	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 1000	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 900	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 800	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 700	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 600	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 500	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 400	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 300	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 200	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 100	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 0	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_



# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 18000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 16000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 14000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 12000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 10000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 9500	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 8000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 7000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 6000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 5000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4500	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 4000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3500	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 3000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2500	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 1800	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 1500	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 1200	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 1000	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 900	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 800	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 700	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 600	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 500	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 400	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 300	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 200	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 100	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NOT REPORTED	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 25000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 - 1 -  
 HOURS (L.S.T.) \_\_\_\_\_

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
IV 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1 - 4  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 9500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 5/16	≥ ¼	≥ 0
NO CEILING ≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IV 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURE (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 1/8	≥ 0
NO CEILING ≥ 20000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 18000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 16000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 14000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 12000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 10000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 9000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 8000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 7000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 6000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 5000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 4000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 3000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 2000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 1000	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 900	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 800	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 700	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 600	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 500	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 400	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 300	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 200	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 100	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
≥ 0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS) HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 16000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 12000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 18000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 16000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 14000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 12000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 10000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 6000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 5000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 4500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 4000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1800	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1200	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1000	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 900	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 800	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 700	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 600	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 500	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 400	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 300	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 200	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 100	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 0	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) JUL 54 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES																
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	¾	≥5/16	≥¼	≥0
NO CEILING	.	.	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 20000	.	.	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 18000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 16000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 14000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 12000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 10000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 9000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 8000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 7000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 6000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 5000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 4500	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 4000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 3500	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 3000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 2500	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 2000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 1800	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 1500	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 1200	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 1000	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 900	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 800	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 700	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 600	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 500	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 400	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 300	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 200	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 100	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1
≥ 0	.	71.7	67.4	71.7	75.8	79.9	84.1	88.4	92.7	97.0	101.3	105.6	109.9	114.2	118.5	122.8	127.1

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

1973

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

7-1-73  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 18000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 16000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 14000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 12000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 10000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 9000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 8000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 7000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 6000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 5000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 4000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 3000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 2000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1800	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1200	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 1000	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 900	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 800	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 700	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 600	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 500	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 400	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 300	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 200	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 100	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
IV 0	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	¾	¾	¾	≥5/16	¾	≥0
NO CEILING ≥ 20000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 18000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 16000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 14000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 12000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 10000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 9000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 8000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 7000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 6000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 5000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 4500	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 4000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 3500	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 3000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 2500	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 2000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1800	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1500	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1200	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 1000	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 900	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 800	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 700	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 600	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 500	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 400	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 300	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 200	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 100	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
IV 0	4.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1  
- 1  
HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
≥ 20000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 18000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 14000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 10000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 9000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 8000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 7000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 6000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 5000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 4500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 4000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 3500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 3000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 2500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 2000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 1800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 1500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 1200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 1000	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 900	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 800	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 700	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 600	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 500	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 400	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 300	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 200	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 100	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
IN 0	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	4.1	1.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
≥ 20000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 18000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 16000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 14000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 12000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 10000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 9000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 8000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 7000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 6000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 5000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 4500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 4000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 3500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 3000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 2500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 2000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 1800	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 1500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 1200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 1000	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 900	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 800	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 700	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 600	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 500	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 400	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 300	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 200	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 100	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
IV 0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥ 10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2½	≥ 2	≥ 1½	≥ 1¼	≥ 1	≥ ¾	≥ ½	≥ ¼	≥ 1/16	≥ 0	≥ 0
NO CEILING ≥ 20000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 18000 N 16000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 14000 N 12000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 10000 N 9000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 8000 N 7000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 6000 N 5000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 4500 N 4000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 3500 N 3000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 2500 N 2000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1800 N 1500	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 1200 N 1000	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 900 N 800	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 700 N 600	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 500 N 400	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 300 N 200	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
≥ 100 N 0	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 18000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 16000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 14000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 12000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 10000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 9000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 8000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 7000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 6000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 5000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 4000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 3000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 2000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 1000	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 900	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 800	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 700	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 600	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 500	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 400	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 300	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 200	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 100	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
IV 0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) JUL 64 PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ MONTH \_\_\_\_\_  
 1-1-73-  
 PERCENTAGE FREQUENCY OF OCCURRENCE  
 (FROM HOURLY OBSERVATIONS)  
 HOURS (L.S.T.) \_\_\_\_\_

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 20000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 18000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 16000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 14000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 12000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 10000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 9000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 8000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 7000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 5000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4500	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 4000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3500	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 3000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2500	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 2000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1800	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1500	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1200	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 1000	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 900	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 800	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 700	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 600	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 500	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 400	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 300	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 200	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 100	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 0	75.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_



# CEILING VERSUS VISIBILITY

STATION

STATION NAME

YEARS

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

HOURS (L.S.T.)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING ≥ 20000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 18000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 16000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 14000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 12000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 10000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 9000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 8000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 7000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 6000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 5000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4500	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 4000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 3500	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 3000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 2500	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 2000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1800	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1500	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1200	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 1000	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 900	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 800	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 700	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 600	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 500	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 400	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 300	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 200	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 100	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
IV 0	71.5	73.0	73.1	73.3	74.0	74.3	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4

TOTAL NUMBER OF OBSERVATIONS

# CEILING VERSUS VISIBILITY

STATION \_\_\_\_\_ STATION NAME \_\_\_\_\_ YEARS \_\_\_\_\_ ALL MONTH \_\_\_\_\_ ALL HOURS (L.S.T.) \_\_\_\_\_

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING (FEET)	VISIBILITY STATUTE MILES															
	≥10	≥6	≥5	≥4	≥3	≥2½	≥2	≥1½	≥1¼	≥1	≥¾	≥½	≥¼	≥5/16	≥¼	≥0
NO CEILING	•	•	•	71.7	64.6	47.3	59.7	71.1	71.1	71.7	72.1	72.1	72.1	72.1	72.1	72.1
≥ 20000	•	•	•	71.7	64.6	47.3	59.7	71.1	71.1	71.7	72.1	72.1	72.1	72.1	72.1	72.1
≥ 18000	•	•	•	69.4	67.6	70.3	72.3	74.3	74.1	75.2	75.4	75.4	75.4	75.5	75.5	75.5
≥ 16000	•	•	•	67.7	67.7	71.5	73.2	74.8	75.1	75.4	75.4	75.4	75.6	75.7	75.7	75.7
≥ 14000	•	•	•	64.2	64.5	71.3	73.9	75.3	75.1	76.2	76.4	76.4	76.5	76.5	76.5	76.5
≥ 12000	•	•	•	64.1	64.5	72.3	74.0	76.5	77.1	77.4	77.5	77.5	77.6	77.7	77.7	77.7
≥ 10000	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 9000	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 8000	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 7000	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 6000	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 5000	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 4500	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 4000	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3500	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 3000	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2500	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 2000	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1800	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1500	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1200	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 1000	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 900	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 800	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 700	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 600	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 500	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 400	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 300	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 200	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 100	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 0	•	•	•	64.1	71.3	75.1	77.4	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1

TOTAL NUMBER OF OBSERVATIONS \_\_\_\_\_

U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED,  
BROKEN, OVERCAST, & OMSCURED WERE USED AS INPUT FOR THE  
TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OMSCURED WAS CONVERTED TO 10/10

## SKY COVER

MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS	
		0	1	2	3	4	5	6	7	8	9			10
-	.				.2						16.0	25.0	4.6	20
-	.				.1						16.3	27.4	4.3	31
-	.				.2						24.6	26.6	5.8	41
-	.				.1						3 .3	26.6	6.2	50
-	.				.						13.3	24.6	5.2	43
-	.				.						33.3	26.2	6.3	42
-	.				.2						27.1	23.7	5.5	41
-	.				.						10.1	25.1	4.8	41
TOTALS	.				.2						27.1	26.1	5.5	732

USAFETAC FORM 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
	-	.			1.						16.4	22.0	4.4	1
	-	.			11.						19.1	22.4	4.5	6
	-	.			17.						27.4	23.5	5.6	4
	-	.			1.						24.7	25.3	5.8	3
	-	.			1.						27.4	26.4	6.	3
	-	0.			1.						3.	28.1	4.3	15
	-	.			2.						21.7	25.4	5.3	1
	-	0.			1.						17.6	24.2	4.5	3
TOTALS	.				24.						27.	24.	5.3	26

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]



## SKY COVER

10-7-77

$$= \frac{1}{2} \frac{1}{\sqrt{2}}$$

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]**USAFETAC**

FORM  
JUL 64

0-9-5 (OL A)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.



## SKY COVER

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
	-	0.0			0.0						0.0	24.8	3.4	12
	-	0.0			0.0						0.0	37.3	4.8	10
	-	0.0			0.0						13.6	30.4	5.6	61
	- 1	0.0			0.0						17.4	23.1	4.3	79
	- 1	0.0			0.0						16.5	12.6	3.1	10
	- 1	0.0			0.0						14.1	11.3	3.3	101
	- 1	0.0			0.0						17.8	3.1	1.1	150
	- 1	0.0			0.0						8.0	12.1	3.1	5
TOTALS		0.0			0.0						11.4	1.7	3.3	1000



STATION	STATION NAME	PERIOD	MONTH
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[illegible]

STATION	STATION NAME	PERIOD	MONTH
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MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO. OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
-	.				.7						.2	13.7	7.7	
-	.				.						7.7	14.7	7.7	17
-	.				.						17.7	16.7	6.7	11
-	.				.						14.7	17.7	7.9	17
-	.				.7						17.7	7.	7.1	77
-	.				.						7.7	4.1	7.4	7
-	.				.						7.7	4.	7.	7
-	.				.7						.2	14.7	7.7	7
TOTALS	.				.						17.1	14.7	7.9	44

**SKY C**

STATION

STATION NAME

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS O SKY COVE	
		0	1	2	3	4	5	6	7	8	9		10
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## SKY COVER

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)

[illegible]

## MONTH

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF TENTHS OF TOTAL SKY COVER										MEAN TENTHS OF SKY COVER	TOTAL NO OF OBS.	
		0	1	2	3	4	5	6	7	8	9			10
-	.				.						2 . 4	17 .	. 4	
-	.				.						17 . 1	17 .	. 4	
-	.				.						1 . 1	17 . 1	. 7	
-	.				.						. 1	17 .	. 7	
-	.				.						. 1	17 . 1	.	
-	.				.						1 . 5	17 .	. 1	
-	.				.						. 1	17 . 1	. 2	
-	.				.						14 . 7	17 . 1	. 1	
TOTALS	.				.						1 . 5	17 . 1	. 7	17 . 1

## - 2 -

631

STATION

STATION NAME

PERIOD

NOTES

[illegible]**USAFETAC**

FORM 0-9-5 (OL A)  
JUL 64

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U S AIR FORCE  
ENVIRONMENTAL TECHNICAL  
APPLICATIONS CENTER

## PART E PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

1. Cumulative percentage frequency of occurrence - derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

**NOTE:** Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

2. Extreme values - derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTHS) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

**NOTE:** The following symbols are used in the extreme data blocks:

- (1) \* indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.  
This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:

- a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares ( $\sum X^2$ ), sums of values ( $\sum X$ ), means ( $\bar{X}$ ), and standard deviations ( $\sigma_x$ ). The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.

NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.

4. Means and standard deviations - These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
5. Cumulative percentage frequency of occurrence of relative humidity - This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
- a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
- b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

# DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
10													
11													
12													
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100													
MEAN													
S D.													
TOTAL OBS.													

# DAILY TEMPERATURES

STATION

STATION NAME

YEARS

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

MINIMUM

TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
1													
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MEAN													
S.D.													
TOTAL OBS.													

## DAILY TEMPERATURES

STATION NAME

**YEARS**

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM DAILY OBSERVATIONS)

TEMP (°F)	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	ANNUAL
1													
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MEAN													
S. D.													
TOTAL OBS.													

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10-10-1945

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

ALL INFORMATION CONTAINED

[illegible]

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(C) L. ELLIOTT      (D) Y. LEE      THE UNIVERSITY OF CHICAGO

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(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

**YEARS**

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[illegible]

USAF ETAC FORM 0-88-5 (OLA)  
JUL 84

WILLIAMS, J. L., and J. L. WILSON. 1969. The



— — — — —

(FROM DAILY OBSERVATIONS)

STATION

STATION NAME

YEARS

FILE NO. 100-361577

[illegible]

USAF ETAC FORM 0-88-5 (OLA)  
JUL 84

## PSYCHROMETRIC SUMMA

STATION NAME

YEARS

**MONTH**

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[illegible]

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AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NORTON AFB, CALIFORNIA REVISED UNIFORM SUMMARY OF SURFACE WEATH--ETC(U)  
SEP 81

UNCLASSIFIED

**SBI-AD-E850 11A**

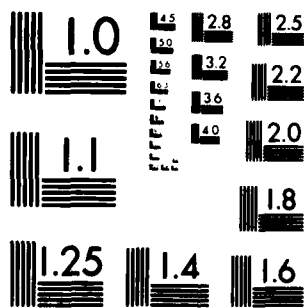
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS 1963 A.



## PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

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**MONTH**

2454

10

**HOURS (L. S. T.)**

[illegible]

# PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

JAN  
MONTH

PAGE 1

9 - 11  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
70																		2	2						
71																		5	5						
72																		10	10						
73																		7	7						
74																		17	17						
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82																		110	110						
83																		119	119						
84																		85	85						
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87																		24	24						
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HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

JA.

**MONTH**

PAGE -

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**HOURS (L. S. T.)**

[illegible]

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**MONTH**

15 0-17-0

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[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

15 - 17.  
HOURS (L. S. T.)

[illegible]

1. *Journal of the American Medical Association*, 1990; 263: 1025-1028.  
 2. *Journal of the American Medical Association*, 1990; 263: 1029-1031.  
 3. *Journal of the American Medical Association*, 1990; 263: 1032-1034.

PAGE 1 10 - 20  
HOURS (L. S. T.)

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## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L. S. T.)**

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL	TOTAL										
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
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Element (X)	Σ x'			Σ x			Σ			Σ			Σ			Σ			Mean No. of Hours with Temperature			Total										
Rel. Hum.	37.394			35.41			37.421			43.2			93			≤ 0 F			≤ 32 F			≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total		
Dry Bulb	286.544			49397			87.7			6.762			93			.1			2.3			.4										
Wet Bulb	1918.53			41773			46.1			5.981			93			2.5																
Dew Point	1335.51			23747			34.31			7.934			93			31.5																

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## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L, S, T.)

[illegible]

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## PSYCHROMETRIC SUMMARY

[illegible]

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0-26-5 (OLA)  
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## PSYCHROMETRIC SUMMARY

**MONTH**

ALL

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
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JUL 64  
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## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

[illegible]

## PSYCHROMETRIC SUMMARY

STATION NAME

**YEARS**

55

**MONTH**

2007-01-01

— 2 —

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

00-11  
HOURS (L. S. T.)

[illegible]

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NA 64  
**0-26-5 (OLA)**  
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## PSYCHROMETRIC SUMMARY

**YEARS**

**MONTH**

9 - 11 -  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

YEARS

**MONTH**

12-14  
HOURS (L. S. T.)

[illegible]

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## PSYCHROMETRIC SUMMARY

**MONTH**

10-17  
HOURS (L. S. T.)

[illegible]

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## PSYCHROMETRIC SUMMARY

**MONTH**

13-17

**HOURS (L. S. T.)**

[illegible]

[illegible]

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

16-00000

HOURS (L. S. T.)

[illegible]

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**FORM**  
**JUL 64**  
**0-26-5 (OL A)**  
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## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

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## PSYCHROMETRIC SUMMARY

STATION NAME

**MONTH**

HOURS (L. S. T.)

[illegible]

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FORM  
JUL 64  
0-26-5 (OL A)  
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## PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

1 E -  
MONTH

241

**HOURS (L. S. T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OL A)**  
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## PSYCHROMETRIC SUMMARY

**MONTH**

3 - 2

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OLA)**  
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## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L. S. T.)**

[illegible]

**USAFETAC**  
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USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
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[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

7-11  
HOURS (L. S. T.)

[illegible]

USAFETAC  
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JUL 64  
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## PSYCHROMETRIC SUMMARY

**MONTH**

12-14  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

1. 2-141.

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
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**USAFETAC**

## PSYCHROMETRIC SUMMARY

STATION NAME

**MONTH**

100-17  
HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (OL A)  
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## PSYCHROMETRIC SUMMARY

**MONTH 14**

14-17  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L, S, T,)**

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

USAFETAC  
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0-26-5 (OL A)  
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## PSYCHROMETRIC SUMMARY

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

ALL

**HOURS (L. S. T.)**

[illegible]

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JUL 64  
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**USAFETAC**

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

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JUL 64  
0-26-5 (OL A)  
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## PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

**MONTH**

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
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0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JA 04  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JAN 64  
**0-26-5 (OL A)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**MONTH**

9-11  
HOURS (L. S. T.)

[illegible]

**USAFETAC** FORM 0.26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**MONTH**

12-14  
HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**MONTH**

1 - 14  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

1-17  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL			
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	≥ 31	Dry Bulb	Wet Bulb	Dew Point						
/															.1	.2	.1	.0	2	2						
/															.4	.1			5	5						
/															.1	.1			6	6						
/											.1		.1	.1	.1	.1		11	11							
/										.1	.1	.1	.1	.1	.1	.1		24	24							
/										.1	.1	.1	.1	.1	.1	.1		32	32							
/										.1	.1	.1	.1	.1	.1	.1		44	44							
/									.1	.1	.1	.1	.1	.1	.1	.1		56	56							
/								.1	.1	.1	.1	.1	.1	.1	.1	.1		68	68							
/							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		63	63							
/							.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		59	59							
/					.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		52	52							
/				.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		76	76							
/				.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		73	73		6					
/			.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		81	81	17						
/		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		82	82	18						
/		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		44	44							
/		.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		52	52	104	1					
/	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		37	37	141	6					
/	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		81	81	180	41					
/	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		81	81	180	0					
/	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		10	10	183	0					
/	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		6	6	185	1					
/	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		2	2	187	1.5					
/	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		1	1	188	0					
/	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1		2	2	189	0					
/																				189	56					
/																				189	50					
/																				189	40					
/																				189	27					
/																				189	31					
/																				189	0					
/																				189	10					
/																				189	10					
Element (X)	$\Sigma X'$		$\Sigma X$		$\Sigma$	$\sigma_n$	No. Obs.		Mean No. of Hours with Temperature																	
Rel. Hum.									≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total					
Dry Bulb																										
Wet Bulb																										
Dew Point																										

**USAFETAC** FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. Y.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L, S, T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OL A)**  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MONTH

HOURS (L. S. T.)

[illegible]

**USAFETAC** FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JUL 44

**USAFETAC**

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L, S, T.)

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
AUG. 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**HOURS (L. S. T.)**

[illegible]





## PSYCHROMETRIC SUMMARY

**MONTH**

1 - 141

HOURS (L. S. T.)

[illegible]

# PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

AY

MONTH

19 17

HOURS (L. S. Y.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL							
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		≥ 31	Dry Bulb	Wet Bulb	Dew Point				
/																		2	2						
/																		3	3						
/																	1.2	11	11						
/																	1.1	9	9						
/																	.3	11	11						
/															.1		.3	12	12						
/																	.3	17	17						
/																	.3	21	21						
/																	.1	37	37						
/																	.1	57	57						
/																		71	71						
/																		78	78						
/																		67	67						
/																		53	53						
/																		43	43						
/																		48	48	14					
/																		45	45						
/																		53	53						
/																		52	52	147					
/																		35	35	113					
/																		36	36	119					
/																		18	18	112					
/																		10	10	5					
/																		13	13	1					
/																		3	3	1					
/																		4	4	11					
/																				74					
/																				5					
/																				11					
/																				2					
/																				2					
Element (X)	Σ X'	Σ X	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Σ	Mean No. of Hours with Temperature							
Rel. Hum.																		≤ 0 F	≤ 32 F	≤ 67 F	≤ 73 F	≤ 80 F	≤ 93 F	Total	
Dry Bulb																									
Wet Bulb																									
Dew Point																									

## PSYCHROMETRIC SUMMARY

15 - 17.  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

11. —

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

STATION NAME

**YEARS**

MONTH

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L. S. T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

Jul.  
MONTH

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MONTH

MOORE (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31		Dry Bulb	Wet Bulb	Dew Point
1																		3	3		
2																		1	1		
3																		4	4		
4																		6	6		
5																	1	9	9		
6																.5	1.5	19	19		
7																.4	.4	15	15		
8																.6	1.1	27	27		
9																.7	.1	29	29		
10																.8	.1	18	13		
11																.7	.1	40	40		
12																.6	.1	40	40		
13																.5	.1	46	46		
14																.4	.1	40	40		
15																.3	.1	40	40		
16																.2	.1	40	40		
17																.1	.1	40	40		
18																.1	.1	40	40		
19																.1	.1	40	40		
20																.1	.1	40	40		
21																.1	.1	40	40		
22																.1	.1	40	40		
23																.1	.1	40	40		
24																.1	.1	40	40		
25																.1	.1	40	40		
26																.1	.1	40	40		
27																.1	.1	40	40		
28																.1	.1	40	40		
29																.1	.1	40	40		
30																.1	.1	40	40		
31																.1	.1	40	40		
32																.1	.1	40	40		
33																.1	.1	40	40		
34																.1	.1	40	40		
35																.1	.1	40	40		
36																.1	.1	40	40		
37																.1	.1	40	40		
38																.1	.1	40	40		
39																.1	.1	40	40		
40																.1	.1	40	40		
41																.1	.1	40	40		
42																.1	.1	40	40		
43																.1	.1	40	40		
44																.1	.1	40	40		
45																.1	.1	40	40		
46																.1	.1	40	40		
47																.1	.1	40	40		
48																.1	.1	40	40		
49																.1	.1	40	40		
50																.1	.1	40	40		
51																.1	.1	40	40		
52																.1	.1	40	40		
53																.1	.1	40	40		
54																.1	.1	40	40		
55																.1	.1	40	40		
56																.1	.1	40	40		
57																.1	.1	40	40		
58																.1	.1	40	40		
59																.1	.1	40	40		
60																.1	.1	40	40		
61																.1	.1	40	40		
62																.1	.1	40	40		
63																.1	.1	40	40		
64																.1	.1	40	40		
65																.1	.1	40	40		
66																.1	.1	40	40		
67																.1	.1	40	40		
68																.1	.1	40	40		
69																.1	.1	40	40		
70																.1	.1	40	40		
71																.1	.1	40	40		
72																.1	.1	40	40		
73																.1	.1	40	40		
74																.1	.1	40	40		
75																.1	.1	40	40		
76																.1	.1	40	40		
77																.1	.1	40	40		
78																.1	.1	40	40		
79																.1	.1	40	40		
80																.1	.1	40	40		
81																.1	.1	40	40		
82																.1	.1	40	40		
83																.1	.1	40	40		
84																.1	.1	40	40		
85																.1	.1	40	40		
86																.1	.1	40	40		
87																.1	.1	40	40		
88																.1	.1	40	40		
89																.1	.1	40	40		
90																.1	.1	40	40		
91																.1	.1	40	40		
92																.1	.1	40	40		
93																.1	.1	40	40		
94																.1	.1	40	40		
95																.1	.1	40	40		
96																.1	.1	40	40		
97																.1	.1	40	40		
98																.1	.1	40	40		
99																.1	.1	40	40		
100																.1	.1	40	40		
101																.1	.1	40	40		
102																.1	.1	40	40		
103																.1	.1	40	40		
104																.1	.1	40	40		
105																.1	.1	40	40		
106																.1	.1	40	40		
107																.1	.1	40	40		
108																.1	.1	40	40		
109																.1	.1	40	40		
110																.1	.1	40	40		
111																.1	.1	40	40		
112																.1	.1	40	40		
113																.1	.1	40	40		
114																.1	.1	40	40		
115																.1	.1	40	40		
116																.1					

**USAFETAC**  
FORM 0-26-5 (OLA)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

JUL  
MONTH

PAGE 7 19 C-110  
HOURS (L. S. T.)

[illegible]

**USAFETAC** FORM 0-26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

PAGE

1-14  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point
73																	1	1		
72																	4	4		
71																	6	6		
70																	4	4		
69																	15	15		
68																	21	21		
67																	34	34		
66																	37	37		
65																	33	33		
64																	41	41		
63																	48	48		
62																	54	54		
61																	59	59		
60																	61	61		
59																	45	45		
58																	69	69		
57																	46	46		
56																	33	33		
55																	38	38		
54																	46	46		
53																	31	31		
52																	32	32		
51																	31	31		
50																	24	24		
49																	35	35		
48																	12	12		
47																	13	13		
46																	2	2		
45																	3	3		
44																				
43																				
42																				
41																				
40																				
39																				
38																				
37																				
36																				
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17																				
16																				
15																				
14																				
13																				
12																				
11																				
10																				
9																				
8																				
7																				
6																				
5																				
4																				
3																				
2																				
1																				
0																				
Element (X)	Σ X <sup>2</sup>		Σ X		Σ		Σ		Σ		Σ		Σ		Σ		Σ		Σ	
Rel. Hum.																				
Dry Bulb																				
Wet Bulb																				
Dew Point																				



STATION	STATION NAME	YEARS	MONTH
			1941
			HOURS (L. S. T.)

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

# PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

JUN  
MONTH

PAGE 1 11-17  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL				
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point		
70																		.1	2	2			
71																		.1	1	1			
72																		.4	3	5			
73																		1.2	11	11			
74																		1.2	15	15			
75															.1			3.1	29	19			
76																.7		1.8	22	12			
77														.1			1.1	24	24				
78														.4			1.7	55	55				
79														1.7			1.9	56	56				
80												.3		1.7			.7	51	51				
81												1.7		1.9			.3	56	56				
82												2.1		1.9			.1	61	61				
83												2.1		1.9			.1	61	61				
84												1.7		1.9				55	55				
85												1.7		1.9				55	55				
86												1.7		1.9				56	56				
87												1.7		1.9				56	56				
88												1.7		1.9				56	56				
89												1.7		1.9				56	56				
90												1.7		1.9				56	56				
91												1.7		1.9				56	56				
92												1.7		1.9				56	56				
93												1.7		1.9				56	56				
94												1.7		1.9				56	56				
95												1.7		1.9				56	56				
96												1.7		1.9				56	56				
97												1.7		1.9				56	56				
98												1.7		1.9				56	56				
99												1.7		1.9				56	56				
100												1.7		1.9				56	56				
Element (X)	Σ X <sup>2</sup>		Σ X		X		σ <sub>x</sub>		No. Obs.		Mean No. of Hours with Temperature												
Rel. Hum.											≤ 0 F		≤ 32 F		≥ 67 F		≥ 73 F		≥ 80 F		≥ 93 F		Total
Dry Bulb																							
Wet Bulb																							
Dew Point																							

## PSYCHROMETRIC SUMMARY

**MONTH**

15 - 17  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

**MONTH**

HOURS (L. S. )

[illegible]

USAFETAC FORM 100-104

STATION	STATION NAME	YEARS
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[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L. S. T.)**

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

NOV 11 9 57

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM 100-10  
0-26-5 (OLA)  
JAN 64  
SERVED SEVERAL TOURS OF THE POLICE AND OBSERVE

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	+ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
		.	.	.	.	.	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1					

## PSYCHROMETRIC SUMMARY

JUL  
MONTH

1 - 14  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MONTH

1. - 14.  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

PAGE 1 10-1-17  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

115

10-17  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**HOURS (L - S - T.)**

[illegible]

**USAFETAC**  
FORM  
BLM 44  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMAR

**MONTH**

**HOURS (L, S, T.)**

[illegible]

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMA

STATION NAME

**YEARS**

**MONTH**

**HOURS (L. S.)**

[illegible]

AD-A110 046

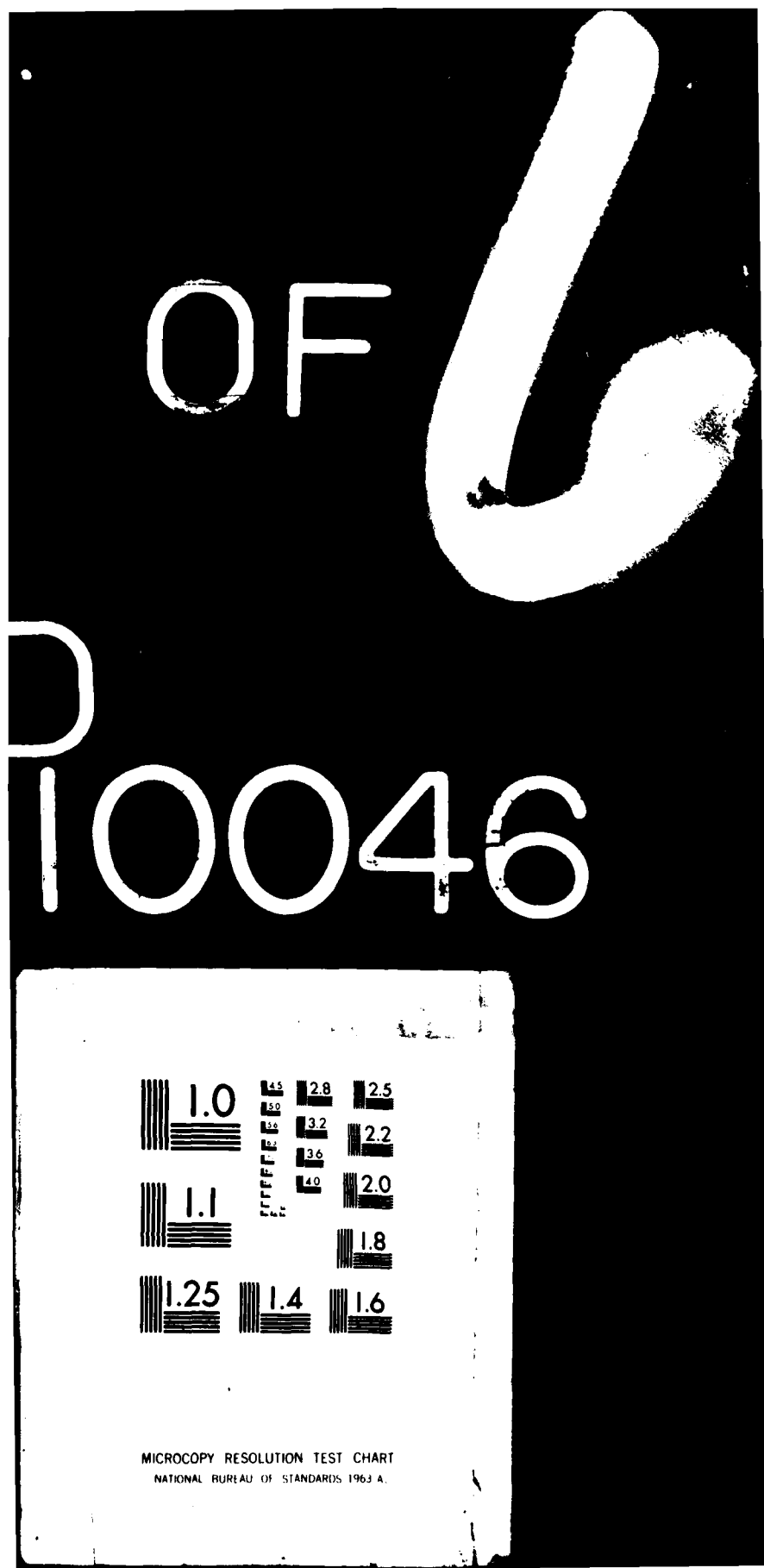
AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NORTON AFB, CALIFORNIA REVISED UNIFORM SUMMARY OF SURFACE WEATH--ETC(U)  
SEP 81  
UNCLASSIFIED

UNCLASSIFIED

**SBI-AD-E850 11A**

NL

5 - 4  
 2000



## PSYCHROMETRIC SUMMARY

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

ALLS

**MONTH**

PAGE 1

11-2

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L. S. T.)**

STATION

STATION NAME

YEARS

[illegible]

## PSYCHROMETRIC SUMMARY

PAGE 1

[illegible]

U.S. DEPARTMENT OF COMMERCE  
BUREAU OF ECONOMIC ANALYSIS  
WASHINGTON, D. C. 20540

[illegible]

## PSYCHROMETRIC SUMMARY

STATION NAME

ALL  
MONTH

79 6-11-6  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																	TOTAL	TOTAL			
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
70																						
71																						
72																						
73																						
74																						
75																						
76																						
77																						
78																						
79																						
80																						
81																						
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89																						
90																						
91																						
92																						
93																						
94																						
95																						
96																						
97																						
98																						
99																						
100																						
Element (X)	Σ x'		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x		Σ x	
Rel. Hum.	71.7357		72.407		73.078		73.750		74.421		75.092		75.763		76.434		77.105		77.776		78.447	
Dry Bulb	61.6234		62.305		62.986		63.667		64.348		65.029		65.710		66.391		67.072		67.753		68.434	
Wet Bulb	4.2573		4.1124		3.9675		3.8226		3.6777		3.5328		3.3879		3.2430		3.0981		2.9532		2.8083	
Dew Point	24.7436		24.143		23.543		22.943		22.343		21.743		21.143		20.543		19.943		19.343		18.743	

1. *Phragmites australis* (Cav.) Trin. ex Steud.

PAGE 1 12 8-14  
HOURS (L. S. T.)

USAFETAC FORM 0-26-5 (OL A) JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

HOURS (L, S, T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point	
70																					80	
71																					81	
72																					82	
73																					83	
74																					84	
75																					85	
76																					86	
77																					87	
78																					88	
79																					89	
80																					90	
81																					91	
82																					92	
83																					93	
84																					94	
85																					95	
86																					96	
87																					97	
88																					98	
89																					99	
90																					100	
91																					101	
92																					102	
93																					103	
94																					104	
95																					105	
96																					106	
97																					107	
98																					108	
99																					109	
100																					110	
101																					111	
102																					112	
103																					113	
104																					114	
105																					115	
106																						

## PSYCHROMETRIC SUMMARY

**MONTH**

11. 5-17.

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																				TOTAL D.B./W.B.	TOTAL											
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point													
7																		.1	3														
7																		.2	4														
7													.1				.2	1.6	19	19													
7												.1		.6		.2	1.2	29	29														
7											.1	.1	.3	.5		.2	.9	34	34														
7											.2	.5	1.3	1.8	1.2	1.1	1.3	69	69														
7											.3	.8	1.9	1.8	1.8	1.2	.6	83	88														
7											.4	1.9	2.6	2.2	1.8	1.4	.4	124	124														
7								.1	.4	1.5	2.1	2.3	2.6	1.4	.9	.3	.1	113	113														
7								.2	.9	1.5	2.2	1.6	1.3	1.4	1.2	.4		102	102														
7								.3	1.1	1.8	1.6	2.2	.6	.4	.4			93	93														
7					.	.3	.2	.4	1.3	1.3	2.3	1.5	.3	.3	.1			75	75														
7			.	.	.	.3	.4	.4	1.4	1.3	1.4	.4						65	55														
7			.	.	.	.4	.4	1.1	1.2	1.3	.7							51	41														
7			.	.	.	.4	.4	1.2	.9	.9		.1						37	17	7													
7	.	.	.	.	.	.4	.4	.4	.4	.4								22	16	16													
7	.	.	.	.	.	.4	.4	.4	.4	.4								16	14	12													
7	.	.	.	.	.	.4	.4	.4	.4	.4								7	7	111													
7	.	.	.	.	.	.4	.4	.4	.4	.4								5	5	175	11												
7	.	.	.	.	.	.4	.4	.4	.4	.4								1	1	174	14												
7	.	.	.	.	.	.4	.4	.4	.4	.4								4	4	145	28												
7	.	.	.	.	.	.4	.4	.4	.4	.4										107	58												
7	.	.	.	.	.	.4	.4	.4	.4	.4											1												
7	.	.	.	.	.	.4	.4	.4	.4	.4											54												
7	.	.	.	.	.	.4	.4	.4	.4	.4											111												
7	.	.	.	.	.	.4	.4	.4	.4	.4											1												
7	.	.	.	.	.	.4	.4	.4	.4	.4											75												
7	.	.	.	.	.	.4	.4	.4	.4	.4											75												
7	.	.	.	.	.	.4	.4	.4	.4	.4											58												
7	.	.	.	.	.	.4	.4	.4	.4	.4											5												
7	.	.	.	.	.	.4	.4	.4	.4	.4											5												
7	.	.	.	.	.	.4	.4	.4	.4	.4											28												
7	.	.	.	.	.	.4	.4	.4	.4	.4											18												
Element (X)	Σ X'			Σ X			X			°R			No. Obs.			Mean No. of Hours with Temperature																	
Rel. Hum.													≤ 0 F			≤ 32 F			≥ 67 F			≥ 73 F			≥ 80 F			≥ 93 F			Total		
Dry Bulb																																	
Wet Bulb																																	
Dew Point																																	

## PSYCHROMETRIC SUMMARY

15 - 17  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (OL A)  
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## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L. S. T.)**

[illegible]

**USAFETAC**  
FORM  
NA 44  
**0-26-5 (OL A)**  
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**USAFETAC**

FORM 64

**0-26-5 (OL A)**

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STATION

STATION NAME

YEARS

**MONTH**

HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**MONTH**

[illegible]

## PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

**MONTH**

HOURS (L. S. T.)

[illegible]

**USAFETAC** FORM 0-26-5 (OLA)  
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## PSYCHROMETRIC SUMMARY

**MONTH**

—

HOURS (L, S, T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

**MONTH**

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (OL A)  
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## PSYCHROMETRIC SUMMARY

3 E F  
MONTH

5-11..  
HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OLA)**  
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STATION	STATION NAME	YEARS	MONTH
			1964
HOURS (L. S. T.)			

**JSAFETAC** FORM 0-26-5 (OLA)  
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## PSYCHROMETRIC SUMMARY

**MONTH**

10-16

**HOURS (L. S. T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

          - 7            
HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
AA 44  
0-26-5 (OL A)  
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## PSYCHROMETRIC SUMMARY

**MONTH**

10-17  
HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OL A)**  
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## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. Y.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
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**USAFETAC**



## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L. S. T.)**

[illegible]

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OLA)**  
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## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L - S - T -)**

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

ALL  
HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
**0-26-5 (OL A)**  
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## PSYCHROMETRIC SUMMARY

60  
LCT  
MONTH

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

CT  
MONTH

HOURS (L. S. T.)

[illegible]

**USAFETAC** FORM 0-26-5 (OL A)  
JUL 64 REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (OL A)  
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## PSYCHROMETRIC SUMMARY

6-5-6  
HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																												TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point											
	.	1.1	.	.1	.	.	.	.1	.1	.1	.	.	.	.	.	.	.	4.2	71.7	67.1	61.1											
Element (X)	Z <sub>R</sub> <sup>1</sup>	Z <sub>R</sub>	X	e <sub>R</sub>	No. Obs.	Mean No. of Hours with Temperature																										
Rel. Hum.	47.2%	67	51.5	1.0	22	≤ 0 F	≤ 32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F	Total																				
Dry Bulb	47.2	67	51.5	1.0	22			1.4	2.4	.																						
Wet Bulb	67.2	67	51.5	1.0	22			.																								
Dew Point	67.2	61	48.3	1.7	22		1.0																									

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

17 - 14  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																					TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	Dry Bulb	Wet Bulb	Dew Point					
1																		3	3						
2																		2	2						
3																		3	3						
4																		1	1						
5																	1.1	12	12						
6																	1.1	13	13						
7																	1.0	3	3						
8																	1.0	3	3						
9																	1.1	36	36						
10																	1.0	66	66						
11																	1.1	48	48						
12																	1.1	46	46						
13																	1.0	3	3						
14																	1.1	43	43						
15																	1.0	3	3						
16																	1.1	40	40						
17																	1.0	3	3						
18																	1.1	40	40						
19																	1.0	3	3						
20																	1.1	40	40						
21																	1.0	3	3						
22																	1.1	40	40						
23																	1.0	3	3						
24																	1.1	40	40						
25																	1.0	3	3						
26																	1.1	40	40						
27																	1.0	3	3						
28																	1.1	40	40						
29																	1.0	3	3						
30																	1.1	40	40						
31																	1.0	3	3						
32																	1.1	40	40						
33																	1.0	3	3						
34																	1.1	40	40						
35																	1.0	3	3						
36																	1.1	40	40						
37																	1.0	3	3						
38																	1.1	40	40						
39																									

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L. S. T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

MONTH

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (OL A)  
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## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
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## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L, S, T.)**

[illegible]

USAFETAC FORM 0-26-5 (OL A) REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

HOURS (L. S. T.)

[illegible]

**USAFETAC**  
FORM  
AA 0-4  
0-26-5 (OLA)  
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## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																		TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	+ 31	O.B./W.S.	Dry Bulb	Wet Bulb	Dew Point	
	.	4.	.	.	1.	.	.	1.	.	.	.	2.	1.	1.	1.			9	9		9	

**USAFETAC**  
FORM 0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE  
JAN 64

## PSYCHROMETRIC SUMMARY

HOURLY (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

MONTH

411

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

STATION NAME

**YEARS**

MONTH

1955

**HOURS** **L** **S**

[illegible]

USAFETAC  
FORM 0-26-5 (OL A)  
JUL 64  
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## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MONTH

HOURS (L. S. T.)

[illegible]



STATION	STATION NAME	YEARS	MONTH	HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MONTH

HOURS (L. 5)

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OLA)  
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## PSYCHROMETRIC SUMMARY

**MONTH**

9-11-  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

STATION NAME

**YEARS**

**MONTH**

112

1.  $\frac{1}{2} \times \frac{1}{2} = \frac{1}{4}$ 

**HOURS (L. S. T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

1. - 1400  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JAN 64  
0-26-5 (OL A)  
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**USAFETYAC**

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]



## PSYCHROMETRIC SUMMARY

YEARS

15 - 170  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

YEARS

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**HOURS (L. S. T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L. S. T.)**

[illegible]

**USAFETAC**  
FORM  
JUL 84  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM JUL 64

## PSYCHROMETRIC SUMMARY

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

24

HOURS (L, S, T.)

[illegible]

## PSYCHROMETRIC SUMMARY

MONTH

**HOURS (L.S.T.)**

[illegible]

USAFETAC  
FORM 0-26-5 (OLA)  
JUL 64  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE



## PSYCHROMETRIC SUMMARY

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
JUL 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**USAFETAC**

## PSYCHROMETRIC SUMMARY

STATION NAME

YEARS

**MONTH**

**HOURS (L, S, T.)**

[illegible]

**USAFETAC**  
FORM  
NA 44  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L. S. T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

14 - 14  
HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

14  
HOURS (L. S. T.)

[illegible]

USAFETAC  
FORM  
AA 4-4  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**MONTH**

14-17

**HOURS (L - S - T.)**

[illegible]

**USAFETAC**  
FORM  
JUL 64  
0-26-5 (OLA)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

MONTH

**HOURS (L. S. T.)**

[illegible]



# PSYCHROMETRIC SUMMARY

STATION

STATION NAME

YEARS

MONTH

HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																TOTAL D.B./W.B.	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30		+31	Dry Bulb	Wet Bulb
1																		1	1	
2																		2	2	
3																		1	1	
4																		4	4	
5																		4	4	
6																		13	13	
7																		16	16	
8																		25	25	
9																		49	49	
10																		79	79	
11																		134	134	
12																		105	105	
13																		125	125	
14																		118	118	
15																		115	115	
16																		68	68	
17																		35	35	
18																		16	16	
19																		12	12	
20																		4	4	
21																				
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26																				
27																				
28																				
29																				
30																				
31																				
Element (X)	$\Sigma X^2$	$\Sigma X$	$\bar{X}$	$\sigma^2$	No. Obs.	Mean No. of Hours with Temperature														
Rel. Hum.						$\leq 0 F$	$\leq 32 F$	$\geq 67 F$	$\geq 73 F$	$\geq 80 F$	$\geq 93 F$	Total								
Dry Bulb																				
Wet Bulb																				
Dew Point																				

## PSYCHROMETRIC SUMMARY

**MONTH**

1. *Chlorophyll a* (Chl *a*)

**HOURS (L. S. T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L. S. T.)**

[illegible]

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. Y.)

[illegible]

**USAFETAC**  
FORM  
JUL 84  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

the 1990s, the number of people in the world who are under 15 years of age is expected to increase from 1.1 billion to 1.5 billion. The number of people aged 65 and over is expected to increase from 250 million to 450 million. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion. The number of people aged 15 and over is expected to increase from 3.5 billion to 4.5 billion.

YEARS

411

TOTAL

**USAFETAC**  
FORM  
AA 64  
0-26-5 (OL A)  
REVISED PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

## PSYCHROMETRIC SUMMARY

**MONTH**

HOURS (L. S. T.)

[illegible]

## PSYCHROMETRIC SUMMARY

ALL  
HOURS (L. S. T.)

Temp. (F)	WET BULB TEMPERATURE DEPRESSION (F)																										TOTAL	TOTAL		
	0	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16	17-18	19-20	21-22	23-24	25-26	27-28	29-30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Point									
																		•	•	•										
																		•	•	•										
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## PSYCHROMETRIC SUMMARY

**MONTH**

**HOURS (L. S. T.)**

[illegible]



# MEANS AND STANDARD DEVIATION

STATION		STATION NAME												YEARS	
HRS (LST.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUA	
	MEAN														
	S D														
	TOTAL OBS														
	MEAN														
	S D														
	TOTAL OBS														
	MEAN														
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	MEAN														
	S D														
	TOTAL OBS														
ALL HOURS	MEAN														
	S D														
	TOTAL OBS														

U.S. DEPARTMENT OF COMMERCE

[illegible]

# MEANS AND STANDARD DEVIATIONS

UNITED STATES AIR FORCE - HANLEY AFB, TEXAS

1964-1965

STATION		STATION NAME												YEARS	
HRS (LST)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
-	MEAN	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	S D	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOTAL OBS														
-	MEAN	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	S D	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOTAL OBS														
-	MEAN	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	S D	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOTAL OBS														
-	MEAN	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	S D	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOTAL OBS														
-	MEAN	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	S D	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOTAL OBS														
-	MEAN	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	S D	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOTAL OBS														
-	MEAN	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	S D	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOTAL OBS														
-	MEAN	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	S D	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOTAL OBS														
ALL HOURS	MEAN	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	S D	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1	.1
	TOTAL OBS														

## RELATIVE HUMIDITY

**MONTH**

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

[illegible]

**0-87-5 (OL A)**

## RELATIVE HUMIDITY

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (LST)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
-	-	.	.	.	1.7	14.7	74.7	87.7	91.7	93.7	5.7	14
-	-	.	.	1.7	1.7	1.7	37.1	4.7	11.7	1.7	7.7	14
-	-	.	.	.	.	1.7	77.1	3.7	1.7	.	1.7	14
-	-	.	.	.	.	1.7	77.1	27.7	1.7	.	.	14
-	-	.	1.7	1.7	.	1.7	.	11.4	.	1.7	.	14
-	-	1.7	7.7	.	1.7	.	7.7	14.7	.	.	7.7	14
-	-	.	.	1.7	1.7	.	4.7	11.4	1.7	7.7	1.7	14
-	-	.	.	.	1.7	1.7	1.7	3.7	1.7	1.7	17.7	14
TOTALS		7.7	1.7	1.7	1.7	14.7	11.4	34.7	11.7	7.3	5.7	17

USAFETAC      FORM 0-87-5 (OL A)  
JUL 64

## STATION

STATION NAME

PERIOD

MONTH

[illegible]**USAFETAC**

FORM  
JUL 64

0-87-5 (OL A)

# RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	-	.	.	.	1.1	1.1	3.7	7.7	11.6	1.7	7.7	1
	-	.	1.1	.	1.1	1.1	4.8	7.7	11.6	11.1	7.7	1
	-	.	1.1	1.1	.	1.1	7.7	1.1	1.1	1.1	7.7	1
	-	.	1.1	1.1	1.1	1.1	14.8	1.7	.	1.7	.	1
	-	.	1.1	1.1	.	1.1	11.7	1.7	1.1	.	11.7	1
	-	.	1.1	7.7	1.1	1.1	11.7	1.1	1.1	1.1	4.8	1
	-	.	1.1	1.1	1.1	.	14.8	1.1	1.1	1.7	11.7	1
	-	.	1.1	1.1	1.1	1.1	11.7	14.8	11.7	1.7	7.7	1
TOTALS		.	1.1	1.1	7.7	14.8	11.6	4.8	1.1	1.1	1.1	1

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

## RELATIVE HUMIDITY

- 7 -

4 4

STATION

STATION NAME

PERIOD

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	-	•	•	•	•	•	•	•	•	•	77.1	1
	-	•	•	•	•	•	•	•	•	•	77.6	1
	-	•	•	•	•	•	•	•	•	•	77.0	1
	-	•	•	•	•	•	•	•	•	•	•	5
	-	•	•	•	•	•	•	•	•	•	44.4	1
	-	•	•	•	•	•	•	•	•	•	41.0	1
	-	•	•	•	•	•	•	•	•	•	•	1
	-	•	•	•	•	•	•	•	•	•	•	1
TOTALS		•	•	•	•	•	57.6	44.4	31.6	1.0	61.7	74

**USAFETAC**

FORM  
JUL 64

0-87-5 (OL A)



## RELATIVE HUMIDITY

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

[illegible]

## RELATIVE HUMIDITY

JUL

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
JAN.	-	.0	1.0	1.0	2.0	50.0	33.5	58.0	70.2	7.0	71.0	10
FEB.	-	.0	1.0	1.0	1.0	39.0	34.2	70.0	34.5	6.7	77.1	17
MAR.	-	1.0	2.0	1.0	10.0	30.0	67.0	44.0	16.0	1.0	66.0	34
APR.	-	.0	1.0	1.0	4.0	20.0	11.0	0.0	.0	.1	41.0	7
MAY	-	0.0	0.0	1.0	11.0	0.0	.0				0.0	0
JUN.	-	.0	0.0	0.0	11.0	1.0	.0	.0			0.0	0
JUL.	-	.0	0.0	.0	10.0	1.0	1.0	.0			4.0	0
AUG.	-	.0	1.0	.0	0.0	34.0	0.0	10.0	1.0		0.0	0
SEPT.												
OCT.												
NOV.												
DEC.												
TOTALS		.0	0.0	1.0	6.0	37.0	41.4	25.0	0.0	1.0	52.1	74

0-87-5 (OL A)

## RELATIVE HUMIDITY

7-7, 77-

MONTH

**CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE  
(FROM HOURLY OBSERVATIONS)**

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	-	.	.	.	.7	27.7	71.4	88.0	96.7	99.7	74.4	97
	-	.	.	.	.1	7.1	21.4	75.0	88.9	99.0	71.4	90
	-	.	.	.	.7	7.0	72.4	87.3	96.6	99.5	69.6	93
	-	.	.	.	1.4	27.2	72.7	88.0	96.7	99.4	49.6	83
	-	.	7.1	4.0	1.0	.	8.0	.	8.7	9.7	81.3	97
	-	.	.	1.0	1.0	7.0	.	7.1	1.0	9.1	78.0	88
	-	.	.	.	1.0	47.0	21.0	7.1	1.4	9.3	99.0	91
	-	.	.	.7	.7	1.0	11.1	18.7	11.7	1.6	99.7	97
TOTALS		.	4.0	11.4	11.1	21.0	41.7	27.7	14.0	7.7	96.0	107



STATION NAME

PERIOD

MONIM

1. *Chlorophyll a* (Chl *a*)

5

FORM  
JUL 64

0-87-5 (OL A)

## STATION

STATION NAME

PERIOD

MONTH

[illegible]**USAFETAC**

FORM  
3111-1-64

0-87-5 (OL A)

5

MONTH

The diagram illustrates a one-dimensional lattice chain. A horizontal line represents the chain, with several vertical bars indicating the positions of lattice sites. A double-headed arrow labeled 'a' spans the distance between two adjacent sites, representing the lattice constant. A single-headed arrow labeled 'a/2' points from a central site to its immediate neighbor, representing half the lattice constant.

1

0-87-5 (OL A)

AD-A110 046

AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER--ETC F/G 4/2  
NORTON AFB, CALIFORNIA REVISED UNIFORM SUMMARY OF SURFACE WEATH--ETC(U)  
SEP 81

UNCLASSIFIED USAFETAC/DS-81/089

S81-AD-E850 11A

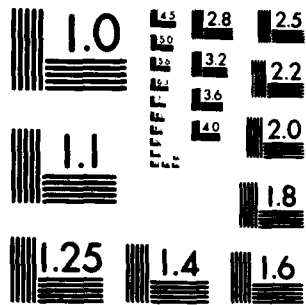
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MICROCOPY RESOLUTION TEST CHART  
NATIONAL BUREAU OF STANDARDS-1963-A



# RELATIVE HUMIDITY

STATION

STATION NAME

PERIOD

MONTH

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
-	-	1.0	4.0	7.1	17.1	27.7	62.3	44.7	27.6	5.7	65.7	13
-	-	1.0	19.7	30.8	57.7	70.8	64.7	46.3	25.1	5.7	65.8	93
-	-	1.0	9.0	17.2	76.7	63.1	42.4	26.7	6.1	65.3	42.7	
-11	-11	2.0	6.0	47.4	37.4	20.5	20.4	9.7	1.7	45.7	97	
-14	-14	1.0	3.7	41.1	31.1	25.7	15.3	8.4	2.7	.2	30.5	920
-11	-11	10.0	7.0	33.5	23.5	14.4	1.7	4.7	.8	5.0	12	
-17	-17	1.0	6.2	34.0	71.3	59.7	42.1	29.9	14.9	1.9	65.3	427
-17	-17	1.0	16.7	30.0	14.9	74.0	54.6	19.4	7.1	4.1	63.5	977
TOTALS		7.0	5.1	77.1	43.1	56.7	44.3	31.3	17.3	7.3	64.3	743.1

USAFETAC

FORM  
JUL 64

0-87-5 (OL A)

# RELATIVE HUMIDITY

STATION NAME: STATION 75-75-01 PERIOD: ALL MONTH: ALL

## CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS (L.S.T.)	PERCENTAGE FREQUENCY OF RELATIVE HUMIDITY GREATER THAN									MEAN RELATIVE HUMIDITY	TOTAL NO. OF OBS.
		10%	20%	30%	40%	50%	60%	70%	80%	90%		
	ALL	10.1	15.1	20.7	26.3	31.7	34.8	40.7	41.7	41.3	61.1	7441
		10.1	11.1	17.1	23.6	24.1	33.4	38.7	19.7	1.3	51.2	676
		10.1	14.1	20.1	22.6	24.4	63.7	51.6	20.6	3.6	64.2	7436
		10.1	10.1	13.4	20.9	20.1	50.6	43.6	15.2	3.2	61.6	7411
		10.1	10.1	11.1	11.2	20.1	57.6	41.6	10.1	3.1	61.1	7431
		10.1	10.1	10.1	11.2	59.7	47.6	32.1	10.1	2.9	56.1	7111
		10.1	4.1	11.1	16.4	53.1	41.4	25.3	9.1	1.3	52.1	7441
		10.1	4.1	10.4	11.1	50.4	45.3	22.7	14.6	3.9	56.1	7431
		10.1	10.1	11.4	11.2	33.1	45.9	11.4	11.6	4.1	55.7	7211
		10.1	7.6	11.1	19.4	57.1	44.6	11.4	17.5	4.0	54.1	7421
		10.1	10.1	14.1	13.7	57.1	38.1	29.3	15.7	2.6	51.4	7191
		10.1	10.1	17.1	16.1	56.1	44.3	31.2	17.3	3.3	54.3	7431
TOTALS		10.1	12.1	10.1	12.7	61.7	49.5	35.1	17.6	1.4	57.2	2761

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PART F

PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

NOTES: Station pressure not reported for all services until late in 1945.

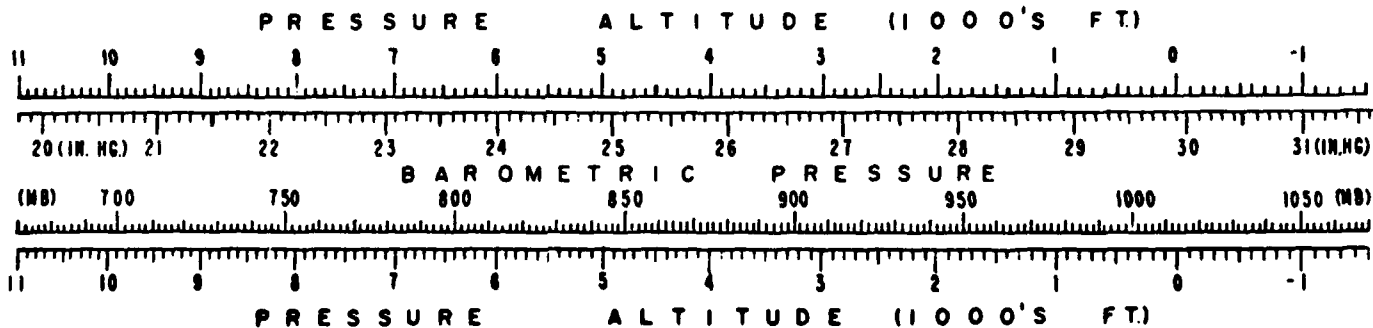
Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

1. Station pressure is presented in the table in inches of mercury.

2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressure-altitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



## STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

STATION

STATION NAME

**YEARS**

USAF ETAC      FORM      0-89-5 (OL A)  
OCT 75

# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MB FROM HOURLY OBSERVATIONS

69-73-81

STATION		STATION NAME												YEARS	
HRS. (L.S.T.)		JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL	
MEAN		1014.4	1015.3	1016.1	1017.5	1018.5	1018.9	1012.9	1012.2	1012.2	1014.7	1017.3	1018.5	1016.1	
S.D.		1.1	1.3	1.3	1.2	1.3	1.4	1.0	1.0	1.0	1.3	1.5	1.6	1.3	
TOTAL OBS		31	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		1014.4	1017.7	1018.1	1019.1	1013.2	1012.4	1012.4	1012.0	1011.9	1014.5	1017.1	1018.3	1014.7	
S.D.		1.1	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.4	1.5	1.6	1.3	
TOTAL OBS		31	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		1014.4	1018.8	1018.5	1018.1	1014.1	1013.3	1013.4	1013.1	1013.0	1015.5	1018.1	1019.2	1016.4	
S.D.		1.1	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.4	1.5	1.6	1.3	
TOTAL OBS		31	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		1014.4	1018.3	1018.4	1018.2	1014.1	1013.2	1013.1	1012.9	1013.0	1015.6	1018.5	1019.9	1016.4	
S.D.		1.1	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.4	1.5	1.6	1.3	
TOTAL OBS		31	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		1014.4	1018.2	1018.3	1014.7	1012.3	1012.1	1011.7	1011.3	1011.1	1013.5	1016.1	1017.3	1014.2	
S.D.		1.1	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.4	1.5	1.6	1.3	
TOTAL OBS		31	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		1014.4	1018.4	1018.2	1018.3	1011.7	1010.8	1010.6	1010.0	1010.0	1012.7	1013.5	1016.9	1013.3	
S.D.		1.1	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.4	1.5	1.6	1.3	
TOTAL OBS		31	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		1014.4	1018.4	1018.2	1014.3	1012.7	1011.7	1011.5	1011.1	1011.3	1014.2	1017.0	1018.3	1014.4	
S.D.		1.1	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.4	1.5	1.6	1.3	
TOTAL OBS		31	31	31	31	31	31	31	31	31	31	31	31	31	
MEAN		1014.4	1018.3	1018.3	1015.7	1014.3	1013.1	1012.9	1012.4	1012.5	1015.1	1017.7	1019.0	1015.8	
S.D.		1.1	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.4	1.5	1.6	1.3	
TOTAL OBS		31	31	31	31	31	31	31	31	31	31	31	31	31	
ALL HOURS		1014.4	1017.9	1016.7	1015.1	1013.3	1012.4	1012.3	1011.9	1011.9	1014.5	1017.2	1018.4	1014.9	
S.D.		1.1	1.3	1.3	1.3	1.2	1.2	1.2	1.3	1.3	1.4	1.5	1.6	1.3	
TOTAL OBS		31	31	31	31	31	31	31	31	31	31	31	31	31	

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